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=> fil reg
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DICTIONARY FILE UPDATES:  19 APR 2009  HIGHEST RN 1136834-47-3

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=> d que l12
L4            1 SEA FILE=REGISTRY SPE=ON  ABB=ON  PLU=ON  639061-02-2/RN
L12           2 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L4


=> fil hcap
FILE 'HCAPLUS' ENTERED AT 16:37:22 ON 20 APR 2009
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FILE COVERS 1907 - 20 Apr 2009  VOL 150 ISS 17
FILE LAST UPDATED: 19 Apr 2009  (20090419/ED)

HCAplus now includes complete International Patent Classification (IPC)
reclassification data for the third quarter of 2008.

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This file contains CAS Registry Numbers for easy and accurate
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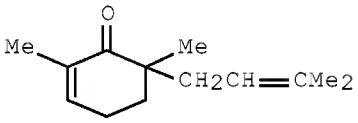
substance identification.

=> d l12 1-2 ibib ed abs hitstr hitind

L12 ANSWER 1 OF 2 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2005:9095 HCAPLUS Full-text
DOCUMENT NUMBER: 142:240118
TITLE: Alkyl aluminum halide promoted intramolecular cyclization of ω-allyl cycloalk-2-enones: Access to bridged bi- and tricyclic compounds
AUTHOR(S): Goeke, Andreas; Mertl, Daniel; Brunner, Gerhard
CORPORATE SOURCE: Fragrance Research, Givaudan Schweiz AG, Duebendorf, 8600, Switz.
SOURCE: Angewandte Chemie, International Edition (2005), 44(1), 99-101
CODEN: ACIEF5; ISSN: 1433-7851
PUBLISHER: Wiley-VCH Verlag GmbH & Co. KGaA
DOCUMENT TYPE: Journal
LANGUAGE: English
OTHER SOURCE(S): CASREACT 142:240118
ED Entered STN: 06 Jan 2005
GI



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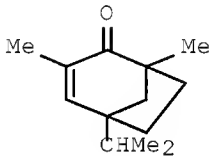


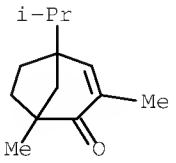
II

AB A rearrangement of ω-allyl cycloalkenones leads to structurally complex bi- and tricyclic ketones in good yields. The method allows efficient access to an olfactorily interesting class of compds. E.g., intramol. cyclization of ω-allyl cycloalk-2-enone I in presence of EtAlCl2 gave 95% bicycloalkenone II. II had a woody, patchouli, vetiver, and hesperidic scent.

IT 639061-02-2P
(preparation of bridged bi- and tricyclic compds. by alkyl aluminum halide promoted intramol. cyclization of ω-allyl cycloalk-2-enones)

RN 639061-02-2 HCAPLUS

CN Bicyclo[3.2.1]oct-3-en-2-one, 1,3-dimethyl-5-(1-methylethyl)- (CA INDEX NAME)



CC 24-8 (Alicyclic Compounds)

Section cross-reference(s): 62
IT 639060-91-6P 639060-93-8P 639060-96-1P 639061-00-0P
639061-02-2P 639061-10-2P 639061-14-6P 844840-34-2P
844840-37-5P
(preparation of bridged bi- and tricyclic compds. by alkyl aluminum halide promoted intramol. cyclization of ω-allyl cycloalk-2-enones)
REFERENCE COUNT: 20 THERE ARE 20 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L12 ANSWER 2 OF 2 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:2827 HCAPLUS Full-text
DOCUMENT NUMBER: 140:59802
TITLE: Preparation of of bi- and tricyclic alcohols and ketones and odorant compositions containing them
INVENTOR(S): Goeke, Andreas
PATENT ASSIGNEE(S): Givaudan SA, Switz.
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000776	A1	20031231	WO 2003-CH401	20030620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003240348	A1	20040106	AU 2003-240348	20030620
EP 1515938	A1	20050323	EP 2003-729764	20030620
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CN 1662483	A	20050831	CN 2003-814559	20030620
CN 1301953	C	20070228		
JP 2005529961	T	20051006	JP 2004-514504	20030620
MX 2004012277	A	20050225	MX 2004-12277	20041207
IN 2004CN02866	A	20060217	IN 2004-CN2866	20041216
US 20050239683	A1	20051027	US 2004-518565	20041220
PRIORITY APPLN. INFO.:			GB 2002-14344 A	20020621
			WO 2003-CH401 W	20030620

OTHER SOURCE(S): CASREACT 140:59802; MARPAT 140:59802
ED Entered STN: 02 Jan 2004
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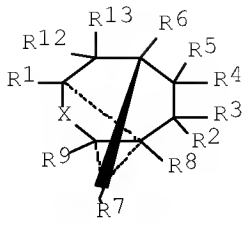

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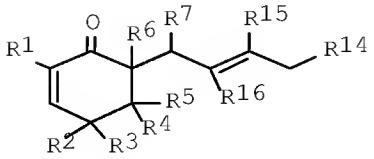

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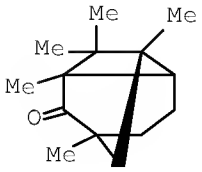

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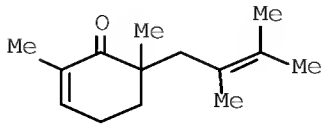


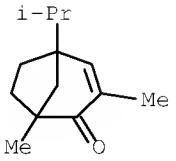
IV

AB Novel compds. I [X = (CR10R11)n; R1, R4, R6, R7 = H, Me, Et; R2, R3 = H, C1-5-alkyl; R2R3 = 5- or 6-membered cycloalkyl ring; R5 = H, C1-4-alkyl; R8 = H, branched C3-7-alkyl; R9 = H, Me, Et, branched C3-7-alkyl; R10 = Et, Pr; R11 = C1-4-alkyl; R12 = OH; R13 = H, C1-4-alkyl; CR12R13 = C:O; the dashed line = single or no bond; with the proviso that: (a) when {C(5) & C(8)} and {C(9) & C(6)} are each connected by a single bond, then C(9) and C(5) are not connected; n = 1; R7 = R8 = H; R9 = H, Me, Et; (b) when {C(5) & C(8)} and {C(9) & C(6)} are each connected by a single bond, then C(9) and C(5) are not connected; n = 0; R7 = R8 = H; R9 = branched C3-7-alkyl; or (c) when {C(5) & C(8)} are not connected, then then C(9) and C(5) are connected by a single bond; n = 0; R7 = H, Me, Et; R8 = branched C3-7-alkyl; R7R8 = 5- or 6-membered cycloalkyl ring; then C(6) and C(8) may be connected with a single or double bond] and their use in flavor and fragrance compns. Also provided is a method for the preparation of I comprising cyclization of cyclohexenone derivative II [R1, R4, R6 = H, Me, Et; R2, R3 = H, C1-5-alkyl; R2R3 = 5- or 6-membered cycloalkyl ring; R5 = H, C1-5-alkyl; R7, R14 = H, Me, Et; R7R14 = 5- or 6-membered cycloalkyl ring; R16 = H, branched C3-7-alkyl] with EtAlCl2 or MeAlCl2, optionally followed by a reduction or alkylation of the C(1)-carbonyl; or a process comprising a photochem.-induced cyclization of cyclohexenone II [R1, R4, R6, R7, R14 = H, Me, Et; R2, R3, R16 = H; R5 = H, linear or branched C1-4-alkyl; R7R14 = 5- or 6-membered cycloalkyl ring; R15 = linear or branched C1-4-alkyl] followed by a hydrogenation across the double bond at C(6)-C(8), optionally followed by a reduction or alkylation of the C(1)-carbonyl. Thus, 1,5,7,8,8-pentamethyltricyclo[3.3.1.02,7]nonan-6-one [III] was prepared as a mixture with 5-(tert-butyl)-1,3-dimethylbicyclo[]oct-3-en-2- one from 2,6-dimethyl-6-(2,3-dimethyl-2-butenyl)cyclohex-2-enone [IV] via cyclization with EtAlCl2 in PhMe. The olfactive properties of III [woody, patchouli odor] were determined A formulation for a shower gel with a woody-floral character containing III is described.

IT 639061-02-2P, 5-Isopropyl-1,3-dimethyl[3.2.1]oct-3-en-2-one
(preparation, hydrogenation and olfactive properties of; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)

RN 639061-02-2 HCAPLUS

CN Bicyclo[3.2.1]oct-3-en-2-one, 1,3-dimethyl-5-(1-methylethyl)- (CA INDEX NAME)



IC ICM C07C049-443
ICS C07C049-633; C07C049-453; C07C049-643; C07C035-37; C11B009-00; A61K007-46

CC 30-15 (Terpenes and Terpenoids)
Section cross-reference(s): 17, 24, 62, 63

IT 639061-02-2P, 5-Isopropyl-1,3-dimethyl[3.2.1]oct-3-en-2-one
(preparation, hydrogenation and olfactive properties of; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)

REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

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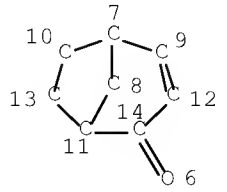


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DEFAULT ECLEVEL IS LIMITED

GRAPH ATTRIBUTES:
RING(S) ARE ISOLATED OR EMBEDDED
NUMBER OF NODES IS   9

STEREO ATTRIBUTES: NONE
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L24         959 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L21
L26         223 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L24 AND TERPENE?/S
                C,SX
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L28             QUE  SPE=ON  ABB=ON  PLU=ON  FLAVOUR? OR FLAVOR? OR FRAGN
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L31          11 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L24 AND L28
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L37          15 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L32 OR L35
L38          11 SEA FILE=HCAPLUS SPE=ON  ABB=ON  PLU=ON  L37 AND (1840-2003
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=> d l38 1-11 ibib ed abs hitstr hitind

L38  ANSWER 1 OF 11  HCAPLUS  COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER:         2005:141200  HCAPLUS  Full-text
DOCUMENT NUMBER:          142:254568
TITLE:                    Methods and compositions for increasing the
                          efficacy of biologically-active ingredients such
                          as antitumor agents
INVENTOR(S):              Windsor, J. Brian; Roux, Stan J.; Lloyd, Alan M.;
                          Thomas, Collin E.
PATENT ASSIGNEE(S):       Board of Regents, the University of Texas System,
                          USA
SOURCE:                   PCT Int. Appl., 243 pp.
                          CODEN: PIXXD2
DOCUMENT TYPE:            Patent
LANGUAGE:                 English
FAMILY ACC. NUM. COUNT:   1
PATENT INFORMATION:
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PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2005014777	A2	20050217	WO 2003-US32667 <--	20031016
WO 2005014777	A3	20050915		
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RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
CA 2502148	A1	20050217	CA 2003-2502148 <--	20031016
AU 2003304398	A1	20050225	AU 2003-304398 <--	20031016
EP 1576150	A2	20050921	EP 2003-816736 <--	20031016
EP 1576150	A3	20051102		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
US 20060276339	A1	20061207	US 2006-531744 <--	20060123
PRIORITY APPLN. INFO.:			US 2002-418803P P <--	20021016
			WO 2003-US32667 W <--	20031016

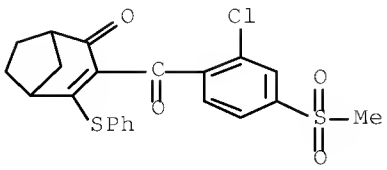
ED Entered STN: 18 Feb 2005

AB The invention provides methods and compns. for modulating the sensitivity of cells to cytotoxic compds. and other active agents. In accordance with the invention, compns. are provided comprising combinations of ectophosphatase inhibitors and active agents. Active agents include antibiotics, fungicides, herbicides, insecticides, chemotherapeutic agents, and plant growth regulators. By increasing the efficacy of active agents, the invention allows use of compns. with lowered concns. of active ingredients.

IT 156963-66-5
(methods and compns. for increasing efficacy of biol. active ingredients such as antitumor agents)

RN 156963-66-5 HCAPLUS

CN Bicyclo[3.2.1]oct-3-en-2-one, 3-[2-chloro-4-(methylsulfonyl)benzoyl]-4-(phenylthio)- (CA INDEX NAME)



IC ICM C12N
CC 1-6 (Pharmacology)
IT Perfumes
(cherry fragrance oil 493; methods and compns. for increasing efficacy of biol. active ingredients such as antitumor agents)
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Acute lymphocytic leukemia
Adrenal cortex, neoplasm
Agrobacterium tumefaciens
Agrobacterium vitis
Agrotis segetum granulovirus
Alkylating agents, biological
Allium cepa
Allium sativum
Ampelomyces quisqualis
Anthracene oil
Antibiotic resistance
Apparatus
Arabidopsis thaliana
Arachis hypogaea
Aschersonia aleyrodis
Autographa californica nucleopolyhedrovirus
Avena sativa
Bacillus amyloliquefaciens
Bacillus cereus
Bacillus sphaericus
Bacillus subtilis
Bacillus thuringiensis
Bacillus thuringiensis darmstadiensis
Bacillus thuringiensis morrisoni
Beeswax
Bladder, neoplasm
Bone meal
Brain, neoplasm
Bran
Burkholderia cepacia
Capsicum
Caramel (color)
Carcinoid
Cheese
Chronic lymphocytic leukemia
Chronic myeloid leukemia
Cinnamon (horticultural common name)
Colloids
Combination chemotherapy
Cork
Corncob
Cottonseed meal
Creosote
Cytotoxic agents
Daucus carota
Desmodium
Drug delivery systems
Drug screening
Drugs
Dyes
Egg
Esophagus, neoplasm
Filter paper
Flours and Meals

Fumigants
Fungicides
Gentiana
Glues
Gossypium hirsutum
Hairy cell leukemia
Helicoverpa zea
Helicoverpa zea nucleopolyhedrovirus
Herbicides
Hodgkin's disease
Honey
Human
Insecticides
Jet aircraft fuel
Liliopsida
Lung, neoplasm
Lymantria dispar nucleopolyhedrovirus
Magnoliopsida
Mammary gland, neoplasm
Matricaria recutita
Meat
Medicago sativa
Melanoma
Mentha piperita
Milk
Mint
Molasses
Multiple myeloma
Neodiprion lecontii nucleopolyhedrovirus
Neodiprion sertifer
Nicotiana tabacum
Nosema locustae
Oatmeal
  Odor and Odorous substances
Orgyia pseudotsugata nucleopolyhedrovirus
Oryza sativa
Ovary, neoplasm
Paecilomyces fumoso-roseus
Paecilomyces lilacinus
Paenibacillus lentimorbus
Paints
Paper
Paperboard
Peanut butter
Phlebia gigantea
Phlebiopsis gigantea
Phytophthora palmivora
Piper nigrum
Polycythemia vera
Propellants (sprays and foams)
Prostate gland, neoplasm
Pseudomonas chlororaphis
Pseudomonas fluorescens
Pseudomonas syringae
Puccinia canaliculata
Quassia
Quillaja
Rabbit calicivirus
Raisin
Rhizobium leguminosarum

Rhizobium leguminosarum phaseoli
Rosmarinus officinalis
Sawdust
Seaweed
Sinorhizobium meliloti
Skin, neoplasm
Sludges
Solanum tuberosum
Sorghum bicolor
Soybean meal
Sphagnum
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Staphylococcus aureus
Stomach, neoplasm
Streptomyces griseoviridis
Tar oils
Testis, neoplasm
Thickening agents
Thymus (plant)
Tomato mosaic virus
Trichoderma harzianum
Trichoderma polysporum
Trigonella foenum-graecum
Triticum aestivum
Urogenital system, disease
Verticillium lecanii
Wheat flour
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Wool
Xanthomonas campestris poannua
Yeast
Zea mays
(methods and compns. for increasing efficacy of biol. active ingredients such as antitumor agents)

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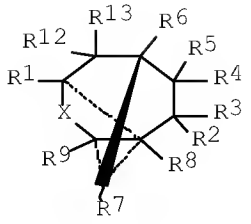
478285-76-6 691397-13-4 802553-83-9 845739-24-4 845739-25-5
845739-26-6 845739-27-7 845739-29-9 850167-48-5 851707-93-2
851811-25-1 855889-48-4 855926-69-1, Silver sodium zirconium phosphate (Ag0.18Na0.57Zr2(PO4)3) 856011-68-2D, alkyl ethers, nickel sulfate complexes 856668-65-0 857198-51-7 862271-76-9
(methods and compns. for increasing efficacy of biol. active ingredients such as antitumor agents)

REFERENCE COUNT: 3 THERE ARE 3 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 2 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2004:2827 HCAPLUS Full-text
DOCUMENT NUMBER: 140:59802
TITLE: Preparation of of bi- and tricyclic alcohols and ketones and odorant compositions containing them
INVENTOR(S): Goeke, Andreas
PATENT ASSIGNEE(S): Givaudan SA, Switz.
SOURCE: PCT Int. Appl., 27 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2004000776	A1	20031231	WO 2003-CH401 <--	20030620
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NI, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW, AM, AZ, BY, KG, KZ, MD, RU, TJ, TM, AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG				
AU 2003240348	A1	20040106	AU 2003-240348 <--	20030620
EP 1515938	A1	20050323	EP 2003-729764 <--	20030620
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR, BG, CZ, EE, HU, SK				
CN 1662483	A	20050831	CN 2003-814559 <--	20030620
CN 1301953	C	20070228		
JP 2005529961	T	20051006	JP 2004-514504 <--	20030620
MX 2004012277	A	20050225	MX 2004-12277 <--	20041207
IN 2004CN02866	A	20060217	IN 2004-CN2866 <--	20041216
US 20050239683	A1	20051027	US 2004-518565 <--	20041220
PRIORITY APPLN. INFO.:			GB 2002-14344 A <--	20020621
			WO 2003-CH401 W <--	20030620

OTHER SOURCE(S): CASREACT 140:59802; MARPAT 140:59802
ED Entered STN: 02 Jan 2004
GI



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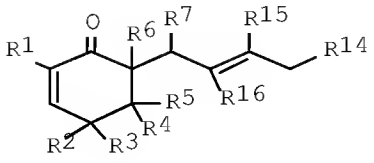

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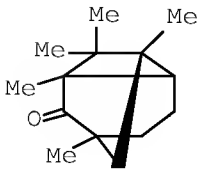
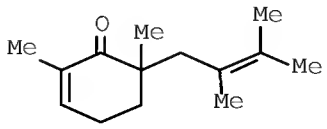


III



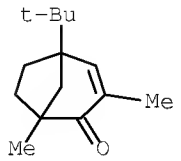
IV

AB Novel compds. I [X = (CR10R11)n; R1, R4, R6, R7 = H, Me, Et; R2, R3 = H, C1-5-alkyl; R2R3 = 5- or 6-membered cycloalkyl ring; R5 = H, C1-4-alkyl; R8 = H, branched C3-7-alkyl; R9 = H, Me, Et, branched C3-7-alkyl; R10 = Et, Pr; R11 = C1-4-alkyl; R12 = OH; R13 = H, C1-4-alkyl; CR12R13 = C:O; the dashed line = single or no bond; with the proviso that: (a) when {C(5) & C(8)} and {C(9) & C(6)} are each connected by a single bond, then C(9) and C(5) are not connected; n = 1; R7 = R8 = H; R9 = H, Me, Et; (b) when {C(5) & C(8)} and {C(9) & C(6)} are each connected by a single bond, then C(9) and C(5) are not connected; n = 0; R7 = R8 = H; R9 = branched C3-7-alkyl; or (c) when {C(5) & C(8)} are not connected, then then C(9) and C(5) are connected by a single bond; n = 0; R7 = H, Me, Et; R8 = branched C3-7-alkyl; R7R8 = 5- or 6-membered cycloalkyl ring; then C(6) and C(8) may be connected with a single or double bond] and their use in flavor and fragrance compns. Also provided is a method for the preparation of I comprising cyclization of cyclohexenone derivative II [R1, R4, R6 = H, Me, Et; R2, R3 = H, C1-5-alkyl; R2R3 = 5- or 6-membered cycloalkyl ring; R5 = H, C1-5-alkyl; R7, R14 = H, Me, Et; R7R14 = 5- or 6-membered cycloalkyl ring; R16 = H, branched C3-7-alkyl] with EtAlCl2 or MeAlCl2, optionally followed by a reduction or alkylation of the C(1)-carbonyl; or a process comprising a photochem.-induced cyclization of cyclohexenone II [R1, R4, R6, R7, R14 = H, Me, Et; R2, R3, R16 = H; R5 = H, linear or branched C1-4-alkyl; R7R14 = 5- or 6-membered cycloalkyl ring; R15 = linear or branched C1-4-alkyl] followed by a hydrogenation across the double bond at C(6)-C(8), optionally followed by a reduction or alkylation of the C(1)-carbonyl. Thus, 1,5,7,8,8-pentamethyltricyclo[3.3.1.02,7]nonan-6-one [III] was prepared as a mixture with 5-(tert-butyl)-1,3-dimethylbicyclo[]oct-3-en-2- one from 2,6-dimethyl-6-(2,3-dimethyl-2-butenyl)cyclohex-2-enone [IV] via cyclization with EtAlCl2 in PhMe. The olfactive properties of III [woody, patchouli odor] were determined A formulation for a shower gel with a woody-floral character containing III is described.

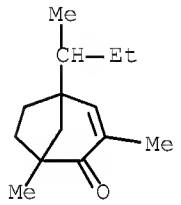
IT 639061-06-6P, 5-(tert-Butyl)-1,3-dimethylbicyclo[]oct-3-en-2-one 639061-08-8P, 5-(sec-Butyl)-1,3-dimethylbicyclo[]oct-3-en-2-one 639061-10-2P, 5-Isopropyl-3-methylbicyclo[]oct-3-en-2-one 639061-12-4P, 5,7-Diisopropyl-3-methylbicyclo[]oct-3-en-2-one 639061-14-6P , 5-Isopropyl-3,7,7-trimethylbicyclo[3.3.1.02,7]oct-3-en-2-one

639061-16-8P, 1,3,5-Trimethyl-1,5,6,7,8,8a-hexahydro-1,4a-ethanonaphthalen-2-one
(preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)

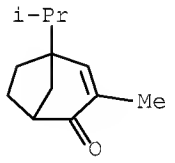
RN 639061-06-6 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 5-(1,1-dimethylethyl)-1,3-dimethyl- (CA INDEX NAME)



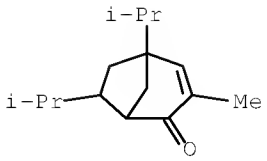
RN 639061-08-8 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 1,3-dimethyl-5-(1-methylpropyl)- (CA INDEX NAME)



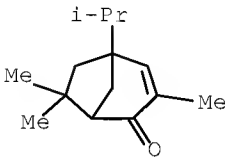
RN 639061-10-2 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 3-methyl-5-(1-methylethyl)- (CA INDEX NAME)



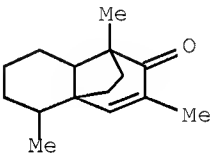
RN 639061-12-4 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 3-methyl-5,7-bis(1-methylethyl)- (CA INDEX NAME)



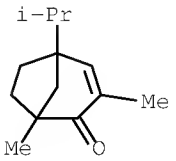
RN 639061-14-6 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 3,7,7-trimethyl-5-(1-methylethyl)- (CA INDEX NAME)



RN 639061-16-8 HCAPLUS
CN 2H-1,4a-Ethanonaphthalen-2-one, 1,5,6,7,8,8a-hexahydro-1,3,5-trimethyl- (CA INDEX NAME)



IT 639061-02-2P, 5-Isopropyl-1,3-dimethyl[3.2.1]oct-3-en-2-one
(preparation, hydrogenation and olfactive properties of; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
RN 639061-02-2 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 1,3-dimethyl-5-(1-methylethyl)- (CA INDEX NAME)



IC ICM C07C049-443
ICS C07C049-633; C07C049-453; C07C049-643; C07C035-37; C11B009-00; A61K007-46

CC 30-15 (Terpenes and Terpenoids)
Section cross-reference(s): 17, 24, 62, 63
ST odorant bicyclic tricyclic alc ketone prepn; fragrance bicyclic tricyclic alc ketone prepn; flavoring material bicyclic tricyclic alc ketone prepn
IT Alcohols, preparation
Ketones, preparation
(bicyclic, and tricyclic; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Flavoring materials
(for pharmaceuticals and food; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Bath preparations
(gels, odorants for; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Chemicals
(household, odorants for; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Bicyclic compounds
(ketones, and tricyclic; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Cosmetics
Deodorants (personal)
Laundering
(odorants for; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Cyclization
(of alkenylcyclohexenones; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Addition reaction
Alkylation
Reduction
(of bi- and tricyclic ketones; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Hydrogenation
(of unsatd. bi- and tricyclic ketones; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Structure-activity relationship
(olfaction-affecting; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Cyclization
(photocyclization, of alkenylcyclohexenones; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Odor and Odorous substances
Perfumes
(preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT Monoterpenes
(preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 503-60-6, Prenyl chloride
(alkylation by, of dimethylphenol; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)

IT 870-63-3, Prenyl bromide
(alkylation by, of methylcyclohexenone; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 639061-23-7, 2,5,5-Trimethyl-6-(3-methyl-2-butenyl)cyclohex-2-enone
(cyclization of, in the presence of ethylaluminum dichloride; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 563-43-9, Ethylaluminum dichloride, reactions 917-65-7, Methylaluminum dichloride
(cyclization reagent; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 639061-20-4P, 2-Methyl-6-(3-methyl-2-butenyl)cyclohex-2-enone
(preparation and cyclization of; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 639060-91-6P, 1,5,7,8,8-Pentamethyltricyclo[3.3.1.02,7]nonan-6-one
639060-93-8P, 1,3,3,5,7,8,8-Heptamethyltricyclo[3.3.1.02,7]nonan-6-one
639060-94-9P, 3,3,5,7,8,8-Hexamethyltricyclo[3.3.1.02,7]nonan-6-one
639060-96-1P, 3,3,5,8,8-Pentamethyltricyclo[3.3.1.02,7]nonan-6-one
639061-00-0P, 1-Isopropyl-3,3,5-trimethyltricyclo[3.2.1.02,7]octan-6-one 639061-04-4P, 5-Isopropyl-1,3-dimethyl[3.2.1]octan-2-one
639061-06-6P, 5-(tert-Butyl)-1,3-dimethylbicyclo[]oct-3-en-2-one 639061-08-8P, 5-(sec-Butyl)-1,3-dimethylbicyclo[]oct-3-en-2-one 639061-10-2P,
5-Isopropyl-3-methylbicyclo[]oct-3-en-2-one 639061-12-4P,
5,7-Diisopropyl-3-methylbicyclo[]oct-3-en-2-one 639061-14-6P
, 5-Isopropyl-3,7,7-trimethylbicyclo[3.3.1.02,7]oct-3-en-2-one
639061-16-8P, 1,3,5-Trimethyl-1,5,6,7,8,8a-hexahydro-1,4a-ethanonaphthalen-2-one 639061-18-0P,
5,6,7,8,8-Pentamethyltricyclo[3.3.1.0.2,7]nonan-6-ol
(preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 639061-02-2P, 5-Isopropyl-1,3-dimethyl[3.2.1]oct-3-en-2-one
(preparation, hydrogenation and olfactive properties of; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 639060-98-3P, 5,7,8,8-Tetramethyltricyclo[3.3.1.02,7]nonan-6-one
(preparation, olfactive properties and Grignard reaction of, with methylmagnesium chloride; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 435270-49-8P, 2,6-Dimethyl-6-(3-methyl-2-butenyl)cyclohex-2-enone
(preparation, olfactive properties and cyclization reactions of; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 1121-18-2, 2-Methyl-2-cyclohexenone
(regioselective alkylation of, by prenyl bromide; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
IT 576-26-1, 2,6-Dimethylphenol
(regioselective alkylation of, by prenyl chloride, followed by hydrogenation; preparation of of bi- and tricyclic alcs. and ketones and their use in flavor and fragrance compns.)
REFERENCE COUNT: 5 THERE ARE 5 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 3 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2003:371661 HCAPLUS Full-text

DOCUMENT NUMBER: 138:390526
TITLE: Odor masking compositions containing fragrant substances for hair cosmetics
INVENTOR(S): Kawasaki, Kiyomitsu
PATENT ASSIGNEE(S): Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 81 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2003137758	A	20030514	JP 2001-330894 <--	20011029
PRIORITY APPLN. INFO.:			JP 2001-330894 <--	20011029

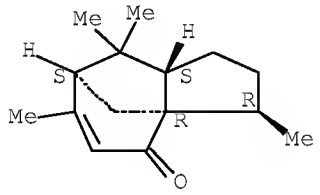
ED Entered STN: 15 May 2003

AB The compns., useful for permanent wave agents, hair dyes, etc., contain ≥1 fragrances chosen from hydrocarbons, alcs., phenols, aldehydes and/or acetals, ketones and/or ketals, ethers, synthetic musks, acids, lactones, esters, N-, S-, and/or halogen-containing compds., and natural fragrances. A fragrance composition was prepared from 1,3,5-undecatriene 10, 10-undecenol 10, 1-octen-3-ol 10, 10-undecenal 10, 2,4-decadienal 10, 1,8-cineole 10, phenylacetic acid (1%) 10, 1-ethynylcyclohexyl acetate 10, 1-octen-3-yl acetate 5, 2-ethylhexyl acetate 10, and Abies fir oil 5 weight parts.

IT 30960-39-5, Cedrenone
(odor masking compns. containing fragrant substances for hair cosmetics)

RN 30960-39-5 HCAPLUS
CN 4H-3a,7-Methanoazulen-4-one, 1,2,3,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aR,7S,8aS)- (CA INDEX NAME)

Absolute stereochemistry.



IC ICM A61K007-46
ICS A61K007-06; A61K007-09; A61K007-13
CC 62-3 (Essential Oils and Cosmetics)
ST odor masking fragrance hair cosmetic; permanent wave agent odor masking fragrance; hair dye odor masking fragrance
IT Essential oils
(Abies fir; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Ambrette seed; odor masking compns. containing fragrant substances for hair cosmetics)

IT Essential oils
(Amyris; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Angelica; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Calamus; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Cascarilla; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Cassia China; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Cinnamone Ceylon; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Ciste labdanum; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Civet; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Clove Bourbon; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Codium fragile; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Elemi; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Galbanum; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Geranium glass; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Ginger glass; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Guaiac; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Hinoki; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Ho wood; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Hyacinth; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Jonquilla; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Laurel; odor masking compns. containing fragrant substances for hair cosmetics)

IT Essential oils
(Lavandin; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Lovage; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Melissa; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Mimosa; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Narcissus; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Oak moss; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Opoponax; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Pennyroyal; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Pepper; odor masking compns. containing fragrant substances for hair cosmetics)
IT Balsams
Balsams
(Peru; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Pimento berry; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Roman chamomile; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Rose Bulgaria; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Rosewood; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Spike lavender; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Styrax; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Sweet fennel; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Tolu balsam; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Tonka beans; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Tuberose; odor masking compns. containing fragrant

substances for hair cosmetics)
IT Essential oils
(Verbena; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Vetiver Bourbon; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Vetiver oil Java; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(Violet leave; odor masking compns. containing fragrant substances for hair cosmetics)
IT Ananas comosus
Cucumis sativus
(aldehyde of; odor masking compns. containing fragrant substances for hair cosmetics)
IT Cocos nucifera
(aldehyde; odor masking compns. containing fragrant substances for hair cosmetics)
IT Waxes
(ambergris, tincture; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(anise; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(basil, Ocimum basilicum; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(bay; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
Essential oils
(bergamot; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
Essential oils
(bitter almond; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(buchu; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(camphor; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(caraway; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(cardamom; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(cassia, Cananga Java; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(cassia; odor masking compns. containing fragrant substances for hair cosmetics)
IT Secretions (external)
(castoreum, resinoid; odor masking compns. containing

fragrant substances for hair cosmetics)
IT Essential oils
(cedarwood; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(celery; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(chamomile; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(citronella; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(clove; odor masking compns. containing fragrant substances for hair cosmetics)
IT Balsams
Essential oils
(copaiba; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(coriander seed; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(costus; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(cumin; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(cypress; odor masking compns. containing fragrant substances for hair cosmetics)
IT Hair preparations
(dyes; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(eucalyptus; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(fennel; odor masking compns. containing fragrant substances for hair cosmetics)
IT Musks
(fragrances; odor masking compns. containing fragrant substances for hair cosmetics)
IT Acetals
Alcohols, biological studies
Aldehydes, biological studies
Carboxylic acids, biological studies
Esters, biological studies
Ethers, biological studies
Hydrocarbons, biological studies
Ketals
Ketones, biological studies
Lactones
Phenols, biological studies
(fragrances; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
Essential oils
(geranium; odor masking compns. containing fragrant

substances for hair cosmetics)
IT Essential oils
(ginger; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(guaiac wood; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(hiba wood; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(hyssop; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(incense oil; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(jasmine; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(juniper, Juniperus communis berry; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(labdanum; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(lavender; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
Essential oils
(lemon; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(lemongrass; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(lime; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(mandarin orange; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(mandarin; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(marjoram; odor masking compns. containing fragrant substances for hair cosmetics)
IT Fats and Glyceridic oils, biological studies
(nutmeg butter; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(nutmeg; odor masking compns. containing fragrant substances for hair cosmetics)
IT Hair preparations
Perfumes
Salvia
Wintergreen
(odor masking compns. containing fragrant substances for hair cosmetics)
IT Paraffin oils

Polyoxyalkylenes, biological studies
(odor masking compns. containing fragrant substances for hair cosmetics)
IT Aldehydes, biological studies
(of pineapple or coconut; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(orange flow; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(orange, sour; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(orange, sweet; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(parsley; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(patchouli; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(peppermint; odor masking compns. containing fragrant substances for hair cosmetics)
IT Hair preparations
(permanent wave; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(petigrain Paraguay; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(petigrain; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(petitgrain; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(pine; odor masking compns. containing fragrant substances for hair cosmetics)
IT Vanilla
(resinoid; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(rosemary; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(rue; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(sage, Salvia officinalis; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(sandalwood; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(spearmint; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(tangerine; odor masking compns. containing fragrant substances for hair cosmetics)

IT Essential oils
(tarragon; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(thyme, Thymus vulgaris; odor masking compns. containing fragrant substances for hair cosmetics)
IT Balsams
(tolu; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(vanilla; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(wintergreen; odor masking compns. containing fragrant substances for hair cosmetics)
IT Essential oils
(ylang-ylang; odor masking compns. containing fragrant substances for hair cosmetics)
IT 124-13-0, Aldehyde C 8
(Aldehyde C 8; odor masking compns. containing fragrant substances for hair cosmetics)
IT 31244-58-3, Octalin
(formate derivative; odor masking compns. containing fragrant substances for hair cosmetics)
IT 50-21-5, Lactic acid, biological studies 57-06-7, Allyl isothiocyanate 57-11-4, Stearic acid, biological studies 57-55-6, Propylene glycol, biological studies 60-12-8, β-Phenylethyl alcohol 60-29-7, Diethyl ether, biological studies 60-33-3, Linolic acid, biological studies 64-19-7, Acetic acid, biological studies 65-85-0, Benzoic acid, biological studies 66-25-1, Hexanal 67-47-0, 5-(Hydroxymethyl)-2-furfural 67-64-1, Acetone, biological studies 68-11-1, Mercaptoacetic acid, biological studies 72-18-4, Valine, biological studies 75-07-0, Acetaldehyde, biological studies 75-18-3, Dimethyl sulfide 75-33-2, Isopropyl mercaptan 76-22-2, Camphor 77-53-2, Cedrol 77-54-3, Cedryl acetate 77-73-6, Dicyclopentadiene 77-83-8, Ethylmethylphenyl glycidate 77-92-9, Citric acid, biological studies 77-93-0, Triethyl citrate 78-35-3, Linalyl isobutyrate 78-36-4, Linalyl butyrate 78-37-5, Linalyl cinnamate 78-69-3, Tetrahydrolinalool 78-70-6, Linalool 78-79-5, Isoprene, biological studies 78-93-3, 2-Butanone, biological studies 79-09-4, Propionic acid, biological studies 79-20-9, Methyl acetate 79-31-2, Isobutyric acid 79-78-7, Allyl α-ionone 79-92-5, Camphene 80-26-2 80-27-3 80-54-6, Lilial 80-56-8, α-Pinene 80-57-9, Verbenone 80-59-1, Tiglic acid 80-71-7, Cyclotene 83-34-1, Skatole 83-66-9, Musk ambrette 83-86-3, Phytic acid 84-66-2, Diethyl phthalate 85-91-6, Methyl N-methylanthranilate 87-19-4, Isobutyl salicylate 87-20-7, Isoamyl salicylate 87-22-9 87-25-2, Ethyl anthranilate 87-29-6, Cinnamyl anthranilate 87-44-5, β-Caryophyllene 87-69-4, Tartaric acid, biological studies 87-91-2, Diethyl tartrate 88-09-5, 2-Ethylbutyric acid 88-29-9, Versalide 88-41-5, o-tert-Butylcyclohexyl acetate 88-84-6, Guaiene 89-43-0 89-79-2, Isopulegol 89-80-5, Menthone 89-81-6, Piperitone 89-82-7 89-83-8, Thymol 90-02-8, Salicylaldehyde, biological studies 90-05-1, Guaiacol 90-17-5, Rose phenone 90-87-9, Hydrotropaldehyde dimethyl acetal 91-10-1, 2,6-Dimethoxyphenol 91-16-7, 1,2-Dimethoxybenzene 91-17-8, Decalin 91-20-3, Naphthalene, biological studies 91-22-5, Quinoline, biological studies 91-60-1, 2-Naphthyl mercaptan 91-61-2 91-64-5, Coumarin 91-87-2,

α-Amylcinnamic aldehyde dimethyl acetal 92-48-8, 6-Methylcoumarin 92-52-4, Biphenyl, biological studies 93-04-9, β-Naphthyl methyl ether 93-08-3, 2'-Acetonaphthone 93-15-2, Methyleugenol 93-16-3, Methylisoeugenol 93-18-5, β-Naphthyl ethyl ether 93-19-6, 2-Isobutylquinoline 93-28-7, Acetyl eugenol 93-29-8, Acetyl isoeugenol 93-51-6, Creosol 93-55-0, Propiophenone 93-58-3, Methyl benzoate 93-60-7, Methyl nicotinate 93-89-0, Ethyl benzoate 93-92-5, Styrallyl acetate 94-30-4, Ethyl p-anisate 94-46-2, Isoamyl benzoate 94-47-3, Phenylethyl benzoate 94-48-4, Geranyl benzoate 94-59-7, Safrole 94-62-2, Piperine 94-86-0 95-16-9, Benzothiazole 95-21-6, 2-Methylbenzoxazole 96-04-8, 2,3-Heptanedione 96-17-3, 2-Methylbutanal 96-48-0, γ-Butyrolactone 96-54-8, 1-Methylpyrrole 97-42-7, Carvyl acetate 97-45-0 97-53-0, Eugenol 97-54-1, Isoeugenol 97-62-1, Ethyl isobutyrate 97-64-3, Ethyl lactate 97-85-8, Isobutyl isobutyrate 97-87-0, Butyl isobutyrate 97-89-2, Citronellyl isobutyrate 98-00-0, Furfuryl alcohol 98-01-1, Furfural, biological studies 98-02-2, Furfuryl mercaptan 98-52-2 98-53-3, p-tert-Butylcyclohexanone 98-82-8, Cumene 98-85-1, Styralyl alcohol 98-86-2, Acetophenone, biological studies 99-48-9, Carveol 99-72-9 99-83-2, α-Phellandrene 99-87-6, p-Cymene 100-06-1, p-Methoxyacetophenone 100-21-0, Terephthalic acid, biological studies 100-42-5, Styrene, biological studies 100-51-6, Benzyl alcohol, biological studies 100-52-7, Benzaldehyde, biological studies 100-66-3, Methoxybenzene, biological studies 100-86-7, Dimethylbenzylcarbinol 101-39-3, α-Methylcinnamic aldehyde 101-41-7, Methylphenyl acetate 101-48-4, Phenylacetaldehyde dimethyl acetal 101-81-5, Diphenylmethane 101-84-8, Diphenyl oxide 101-85-9, α-Amylcinnamic alcohol 101-86-0 101-94-0, p-Cresylphenyl acetate 101-97-3, Ethylphenyl acetate 102-04-5, Dibenzyl ketone 102-13-6, Isobutylphenyl acetate 102-16-9, Benzylphenyl acetate 102-20-5, Phenylethyl phenylacetate 102-22-7, Geranylphenyl acetate 102-76-1, Triacetin 103-05-9, 1,1-Dimethyl-3-phenylpropanol 103-07-1, Dimethylphenylethylcarbinyl acetate 103-09-3, 2-Ethylhexyl acetate 103-26-4, Methyl cinnamate 103-28-6, Benzyl isobutyrate 103-36-6, Ethyl cinnamate 103-37-7, Benzyl butyrate 103-38-8, Benzyl isovalerate 103-41-3, Benzyl cinnamate, biological studies 103-45-7 103-48-0 103-50-4, Dibenzyl ether 103-52-6 103-53-7 103-54-8, Cinnamyl acetate 103-56-0, Cinnamyl propionate 103-58-2, 3-Phenylpropyl isobutyrate 103-59-3, Cinnamyl isobutyrate 103-60-6 103-61-7, Cinnamyl butyrate 103-82-2, Phenylacetic acid, biological studies 103-93-5, p-Cresyl isobutyrate 103-95-7, Cyclamenaldehyde 104-09-6, p-Methylphenylacetaldehyde 104-27-8, α-Methylanisalacetone 104-46-1, Anethole 104-50-7, γ-Octalactone 104-53-0, Benzenepropanal 104-54-1, Cinnamic alcohol 104-55-2, Cinnamic aldehyde 104-57-4, Benzyl formate 104-61-0, γ-Nonalactone 104-62-1 104-65-4, Cinnamyl formate 104-67-6, γ-Undeca lactone 104-76-7, 2-Ethylhexanol 104-87-0 104-90-5, 5-Ethyl-2-methylpyridine 104-93-8, p-Methylanisole 105-01-1, Isobutyl 2-furanpropionate 105-13-5, p-Anisyl alcohol 105-21-5, γ-Heptalactone 105-37-3, Ethyl propionate 105-53-3, Diethyl malonate 105-54-4, Ethyl butyrate 105-57-7, Acetaldehyde diethyl acetal 105-66-8, Propyl butyrate 105-68-0, Isoamyl propionate 105-79-3, Isobutyl hexanoate 105-85-1, Citronellyl formate 105-86-2, Geranyl formate 105-87-3, Geranyl acetate 105-89-5, Rhodinyl propionate 105-90-8, Geranyl propionate 105-91-9, Neryl propionate 105-95-3, Ethylene brassylate 106-02-5, Pentalide

106-18-3, Butyl dodecanoate 106-21-8, 3,7-Dimethyl-1-octanol 106-22-9, Citronellol 106-23-0, Citronellal 106-24-1, Geraniol 106-25-2, Nerol 106-26-3, Neral 106-27-4, Isoamyl butyrate 106-29-6, Geranyl butyrate 106-30-9, Ethyl heptanoate 106-32-1, Ethyl caprylate 106-33-2, Ethyl dodecanoate 106-35-4, 3-Heptanone 106-36-5, Propyl propionate, biological studies 106-44-5, p-Cresol, biological studies 106-46-7 106-65-0, Dimethyl succinate 106-68-3, 3-Octanone 106-70-7, Methyl caproate 106-72-9, Melonal 106-73-0, Methyl heptanoate 107-21-1, Ethylene glycol, biological studies 107-41-5, Hexylene glycol 107-75-5, Hydroxycitronellal 107-87-9, 2-Pentanone 107-88-0, Butane-1,3-diol 107-92-6, Butyric acid, biological studies 108-21-4, Isopropyl acetate 108-29-2, γ-Valerolactone 108-48-5, 2,6-Lutidine 108-50-9, 2,6-Dimethylpyrazine 108-64-5, Ethyl isovalerate
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IT 108-94-1, Cyclohexanone, biological studies 109-08-0, 2-Methylpyrazine 109-15-9, Octyl isobutyrate 109-19-3, Butyl isovalerate 109-20-6, Geranyl isovalerate 109-21-7, Butyl butyrate 109-29-5, Cyclohexadecanolide 109-42-2, Butyl 10-undecenoate 109-52-4, Valeric acid, biological studies 109-60-4, Propyl acetate 109-86-4, Ethylene glycol monomethyl ether 109-94-4, Ethyl formate 109-99-9, Tetrahydrofuran, biological studies 110-01-0, Tetrahydrothiophene 110-02-1, Thiophene 110-12-3 110-15-6, Succinic acid, biological studies 110-16-7, Maleic acid, biological studies 110-17-8, Fumaric acid, biological studies 110-19-0, Isobutyl acetate 110-27-0, Isopropyl myristate 110-38-3, Ethyl caprinate 110-39-4, Octyl butyrate 110-40-7, Diethyl sebacate 110-41-8, 2-Methylundecanal 110-42-9, Methyl decanoate 110-43-0, 2-Heptanone 110-45-2, Isoamyl formate 110-54-3, Hexane, biological studies 110-62-3, Pentanal 110-71-4, Ethylene glycol dimethyl ether 110-74-7, Propyl formate 110-80-5, Ethylene glycol monoethyl ether 110-82-7, Cyclohexane, biological studies 110-83-8, Cyclohexene, biological studies 110-86-1, Pyridine, biological studies 110-89-4, Piperidine, biological studies 110-93-0, Methylheptenone 110-94-1, Glutaric acid 111-11-5, Methyl caprylate 111-13-7, 2-Octanone 111-14-8, Heptanoic acid 111-29-5, Pentamethylene glycol 111-46-6, Diethylene glycol, biological studies 111-55-7, Ethylene glycol Diacetate 111-61-5, Ethyl stearate 111-62-6, Ethyl oleate 111-65-9, Octane, biological studies 111-70-6, 1-Heptanol 111-71-7, Heptanal 111-76-2, Ethylene glycol monobutyl ether 111-77-3, Diethylene glycol monomethyl ether 111-79-5, Methyl 2-nonenoate 111-82-0, Methyl laurate 111-84-2, Nonane 111-87-5, Octanol, biological studies 111-90-0, Diethylene glycol monoethyl ether 111-96-6, Diethylene glycol dimethyl ether 112-05-0, Nonanoic acid 112-06-1, Heptyl acetate 112-07-2, Ethylene glycol Monobutyl ether acetate 112-12-9, 2-Undecanone 112-14-1, Octyl acetate 112-17-4, Decyl acetate 112-30-1, 1-Decanol 112-31-2, Decanal 112-32-3, Octyl formate 112-34-5, Diethylene glycol monobutyl ether 112-36-7, Diethylene glycol diethyl ether 112-37-8, Undecanoic acid 112-38-9, Undecylenic acid 112-40-3, Dodecane 112-43-6, 10-Undecenol 112-44-7, Undecanal 112-45-8, 10-Undecenal 112-48-1, Ethylene glycol dibutyl ether 112-53-8, 1-Dodecanol 112-54-9, Dodecanal 112-62-9, Methyl oleate 112-66-3, Dodecyl acetate 112-73-2, Diethylene glycol dibutyl ether 112-80-1, Oleic acid, biological studies 115-10-6, Dimethyl ether 115-18-4, Dimethylvinylcarbinol 115-95-7, Linalyl acetate 115-99-1, Linalyl formate 116-26-7, Safranal 116-53-0, 2-Methylbutyric acid 116-66-5, Moskene 118-55-8, Phenyl salicylate 118-58-1, Benzyl

salicylate 118-61-6, Ethyl salicylate 118-71-8, Maltol 119-36-8, Methyl salicylate 119-61-9, Benzophenone, biological studies 119-64-2, Tetralin 119-65-3, Isoquinoline 119-84-6 120-11-6, Benzylisoeugenol 120-14-9, Methylvanillin 120-24-1, Isoeugenylphenyl acetate 120-50-3, Isobutyl benzoate 120-51-4, Benzyl benzoate 120-57-0, Heliotropine 120-58-1, Isosafrole 120-72-9, Indole, biological studies 120-92-3, Cyclopentanone 121-32-4, Ethylvanillin 121-33-5, Vanillin 121-34-6, Vanillic acid 121-39-1, Ethyl 3-phenylglycidate 121-98-2 122-00-9, p-Methylacetophenone 122-03-2, Cuminaldehyde 122-40-7 122-43-0, Butylphenyl acetate 122-48-5, 4-(4-Hydroxy-3-methoxyphenyl)-2-butanone 122-57-6, Benzylidene acetone 122-63-4, Benzyl propionate 122-67-8, Isobutyl cinnamate 122-69-0, Cinnamyl cinnamate 122-70-3, Phenylethyl propionate 122-72-5, 3-Phenylpropyl acetate 122-73-6, Isoamyl benzyl ether 122-74-7, 3-Phenylpropyl propionate 122-78-1, Phenylacetaldehyde 122-84-9 122-91-8, Anisyl formate 122-97-4, Hydrocinnamic alcohol 122-99-6, Phenoxyethyl alcohol 123-07-9, p-Ethylphenol 123-11-5, p-Methoxybenzaldehyde, biological studies 123-19-3, 4-Heptanone 123-25-1, Diethyl succinate 123-29-5, Ethyl nonanoate 123-32-0, 2,5-Dimethylpyrazine 123-35-3, 7-Methyl-3-methylene-1,6-octadiene 123-42-2, Diacetone alcohol 123-63-7, Paraldehyde 123-66-0, Ethyl caproate 123-68-2, Allyl caproate 123-69-3, Musk ambrette 123-75-1, Tetrahydropyrrole, biological studies 123-76-2, Levulic acid 123-86-4, Butyl acetate 123-92-2, Isoamyl acetate 123-95-5, Butyl stearate 123-96-6, 2-Octanol 124-06-1, Ethyl myristate 124-07-2, Octanoic acid, biological studies 124-10-7, Methyl myristate 124-18-5, Decane 124-19-6, Nonanal 124-25-4, Tetradecanal 124-76-5, Isoborneol 125-12-2, Isobornyl acetate 126-30-7, Neopentyl glycol 126-64-7, Linalyl benzoate 127-17-3, Pyruvic acid, biological studies 127-91-3, β-Pinene 128-50-7, Nopol 128-51-8, Nopyl acetate 130-95-0, Quinine 131-11-3, Dimethyl phthalate 133-18-6, Phenylethyl anthranilate 134-09-8, Menthyl anthranilate 134-20-3, Methyl anthranilate 134-28-1, Guaiac acetate 135-02-4, o-Methoxybenzaldehyde 135-79-5, 6-Isopropylquinoline 137-00-8, 4-Methyl-5-thiazoleethanol 137-03-1, 2-Heptylcyclopentanone 137-06-4, o-Thiocresol 138-22-7, Butyl lactate 138-23-8, Rhodinyl isobutyrate 138-86-3, Limonene 138-86-3D, Limonene, thiol derivs. 139-70-8, Citronellyl phenylacetate 140-11-4, Benzyl acetate 140-25-0, Benzyl dodecanoate 140-26-1, Phenylethyl isovalerate 140-27-2, Cinnamyl isovalerate 140-29-4, Benzyl cyanide 140-39-6 140-67-0, 4-Allyl anisole 140-88-5, Ethyl acrylate 141-09-3, Rhodinyl formate 141-10-6, Pseudoionone 141-11-7 141-12-8, Neryl acetate 141-14-0, Citronellyl propionate 141-15-1, Rhodinyl butyrate 141-16-2, Citronellyl butyrate 141-27-5, Geranial 141-28-6, Diethyl adipate 141-78-6, Ethyl acetate, biological studies 141-79-7, Mesityl oxide 141-82-2, Malonic acid, biological studies 141-97-9, Ethyl acetoacetate 142-19-8, Allyl heptanoate 142-62-1, Hexanoic acid, biological studies 142-82-5, Heptane, biological studies 142-92-7, Hexyl acetate 143-07-7, Dodecanoic acid, biological studies 143-08-8, Nonyl alcohol 143-13-5, Nonyl acetate 144-39-8, Linalyl propionate 144-62-7, Oxalic acid, biological studies 149-57-5, 2-Ethylhexanoic acid 150-78-7, Hydroquinone dimethyl ether 150-84-5, Citronellyl acetate 150-86-7, Phytol 151-05-3, Dimethylbenzylcarbinyl acetate 151-10-0, 1,3-Dimethoxybenzene 151-19-9, 3,6-Dimethyloctan-3-ol 182-99-0, 2-Oxaspiro[4.7]dodecane 271-16-9, 2H-Furo[3,4-b]pyran 279-23-2, Norbornane 281-23-2, Adamantane 288-47-1, Thiazole 290-37-9, Pyrazine 326-61-4, Heliotropyl acetate 334-48-5, Decanoic acid

350-03-8, 3-Acetylpyridine 404-86-4, Capsaicin 431-03-8, Diacetyl 459-80-3, Geranic acid 463-40-1, Linolenic acid 465-24-7, Juniperol 470-67-7, 1,4-Cineole 470-82-6, 1,8-Cineole 472-97-9, β-Caryophyllene alcohol 475-20-7, Longifolene 488-10-8, cis-Jasmone 490-03-9 491-09-8, Piperitenone 491-35-0, 4-Methylquinoline 495-62-5, Bisabolene 496-77-5, 5-Hydroxy-4-octanone 498-00-0, Vanillyl alcohol
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IT 498-16-8, Lavandulol 498-62-4, 3-Thiophenecarboxaldehyde 498-66-8, Norbornene 498-81-7, Dihydro-α-terpineol 499-44-5, Hinokitiol 499-75-2, Carvacrol 500-02-7, Cryptone 501-52-0, Hydrocinnamic acid 501-92-8, Chavicol 502-41-0, Cycloheptanol 502-61-4, Farnesene 502-72-7, Cyclopentadecanone 503-74-2, Isovaleric acid 505-10-2, Methionol 505-32-8, Isophytol 511-02-4, Sclarene 513-23-5 513-85-9, Butane-2,3-diol 513-86-0, Acetoin 515-00-4, Myrtenol 515-03-7, Sclareol 515-69-5, α-Bisabolol 536-50-5, p,α-Dimethylbenzyl alcohol 536-59-4, Perilla alcohol 536-60-7, Cumin alcohol 538-86-3, Methyl benzyl ether 539-82-2, Ethyl valerate 539-88-8, Ethyl levulinate 539-90-2, Isobutyl butyrate 540-07-8, Amyl caproate 540-18-1, Amyl butyrate 540-42-1, Isobutyl propionate 541-31-1, Isoamyl mercaptan 541-91-3, Muscone 542-46-1, Civetone 542-92-7, Cyclopentadiene, biological studies 543-39-5, Myrcenol 543-49-7, 2-Heptanol 544-40-1, Butyl sulfide 544-63-8, Myristic acid, biological studies 544-76-3, Hexadecane 546-79-2, Sabinene hydrate 547-63-7, Methyl isobutyrate 547-64-8, Methyl lactate 551-08-6 555-66-8, Shogaol 556-24-1, Methyl isovalerate 556-82-1, 3-Methyl-2-buten-1-ol 557-00-6, Propyl isovalerate 562-74-3, Terpinen-4-ol 563-80-4, Methyl isopropyl ketone 583-04-0, Allyl benzoate 586-62-9, Terpinolene 589-35-5, 3-Methylpentanol 589-38-8, 3-Hexanone 589-59-3, Isobutyl isovalerate 589-66-2, Isobutyl crotonate 589-75-3, Butyl octanoate 589-82-2, 3-Heptanol 589-98-0, 3-Octanol 590-01-2, Butyl propionate 590-86-3, Isovaleraldehyde 591-12-8, α-Angelica lactone 591-68-4, Butyl valerate 591-80-0, 4-Pentenoic acid 592-84-7, Butyl formate 592-88-1, Diallyl sulfide 593-08-8, 2-Tridecanone 593-45-3, Octadecane 600-14-6, 2,3-Pentanedione 606-45-1, Methyl o-methoxybenzoate 607-88-5, p-Cresyl salicylate 611-13-2, Methyl 2-furoate 614-99-3, Ethyl 2-furoate 616-25-1, 1-Penten-3-ol 617-35-6, Ethyl pyruvate 617-50-5, Isopropyl isobutyrate 620-02-0, 5-Methylfurfural 620-79-1, Ethyl 2-benzylacetoacetate 621-82-9, Cinnamic acid, biological studies 622-45-7, Cyclohexyl acetate 622-60-6 622-78-6, Benzyl isothiocyanate 623-15-4, Furfuralacetone 623-17-6, Furfuryl acetate 623-22-3, Propyl 2-furanacrylate 623-30-3 623-42-7, Methyl butyrate 624-13-5, Propyl octanoate 624-24-8, Methyl valerate 624-41-9, 2-Methylbutyl acetate 624-42-0, Ethyl isoamyl ketone 624-92-0, Dimethyl disulfide 626-77-7, Propyl hexanoate 626-82-4, Butyl hexanoate 628-63-7, Amyl acetate 628-97-7, Ethyl palmitate 628-99-9, 2-Nonanol 629-11-8, Hexamethylene glycol 629-14-1, Ethylene glycol diethyl ether 629-19-6, Dipropyl disulfide 629-33-4, Hexyl formate 629-50-5, Tridecane 629-59-4, Tetradecane 629-62-9, Pentadecane 629-78-7, Heptadecane 637-64-9, Tetrahydrofurfuryl acetate 638-11-9, Isopropyl butyrate 638-17-5, Thialdine 638-25-5, Amyl caprylate 638-49-3, Amyl formate 638-53-9, Tridecanoic acid 644-49-5, Propyl isobutyrate 646-07-1, 4-Methylpentanoic acid 656-53-1 659-70-1, Isoamyl isovalerate 673-84-7, Alloocimene 688-82-4, Heptanal diethyl acetal 693-95-8, 4-Methyl thiazole

695-06-7, γ-Hexalactone 698-10-2 698-76-0, δ-Octalactone 705-73-7 705-86-2, .δ.-Decanolactone 706-14-9, γ-Decalactone 710-04-3, δ-Undecalactone 713-95-1, δ-Dodecalactone 765-05-9 774-48-1, Benzaldehyde diethyl acetal 818-81-5, 2-Methyloctanol 821-55-6, 2-Nonanone 823-22-3, δ-Hexalactone 825-51-4 828-26-2, Trithioacetone 868-57-5, Methyl 2-methylbutyrate 870-23-5, Allyl mercaptan 881-68-5, Acetylvanillin 925-78-0, 3-Nonanone 928-91-6, cis-4-Hexen-1-ol 928-95-0, trans-2-Hexenol 928-96-1, cis-3-Hexen-1-ol 928-97-2, trans-3-Hexen-1-ol 932-92-3, Cyclohexyl ethyl ether 939-48-0, Isopropyl benzoate 943-88-4, 4-(4-Methoxyphenyl)-3-buten-2-one 947-05-7, Dodecalactone 999-40-6, Neryl butyrate 1003-04-9, Tetrahydrothiophen-3-one 1009-11-6 1072-83-9, 2-Acetylpyrrole 1079-01-2, Myrtenyl acetate 1113-21-9, Geranyl linalool 1117-52-8, Farnesylacetone 1117-55-1, Hexyl octanoate 1118-27-0, Linalyl isovalerate 1118-39-4, Myrcenyl acetate 1119-44-4, 3-Hepten-2-one 1120-21-4, Undecane 1122-62-9, 2-Acetylpyridine 1123-85-9, 2-Phenylpropyl alcohol 1124-11-4, Tetramethylpyrazine 1125-21-9, 4-Oxoisophorone 1125-88-8, Benzaldehyde dimethyl acetal 1135-66-6, IsoLongifolene 1139-30-6, β-Caryophyllene oxide 1142-85-4 1188-02-9, 2-Methylheptanoic acid 1191-04-4, 2-Hexenoic acid 1191-16-8, Prenyl acetate 1192-62-7, 2-Acetylfuran 1193-79-9, 2-Acetyl-5-methylfuran 1195-32-0, α-p-Dimethylstyrene 1195-92-2, Limonene oxide 1197-01-9 1205-17-0, Helional 1211-29-6, Methyl jasmonate 1222-05-5, Galaxolide 1319-88-6, Benzaldehyde glyceryl acetal 1320-67-8, Propylene glycol monomethyl ether 1322-12-9, Ethyl octynecarbonate 1322-34-5, Methyl decynyl carbonate 1323-00-8, Santalyl acetate 1331-83-5, Anisyl acetate 1333-49-9, Dimethyloctanol 1333-58-0, Isobutylquinoline 1335-06-4, Bromostyrene 1335-46-2, Methylionone 1335-66-6, Isocyclocitral 1365-19-1, Linalool oxide 1502-22-3, 2-(1-Cyclohexen-1-yl)cyclohexanone 1504-74-1, o-Methoxycinnamic aldehyde 1551-44-6, Cyclohexyl butyrate 1576-87-0, trans-2-Pentenal 1599-47-9, Hexanal dimethyl acetal 1599-49-1 1604-28-0, 6-Methyl-3,5-heptadien-2-one 1653-30-1, 2-Undecanol 1708-34-5 1725-01-5, 1,8-Dioxacycloheptadecan-9-one 1728-46-7 1731-84-6, Methyl nonanoate 1759-28-0, 4-Methyl-5-vinylthiazole 1786-08-9, Nerol oxide 1866-31-5, Allyl cinnamate 1901-26-4, 3-Methyl-4-phenyl-3-buten-2-one 2021-28-5, Ethyl 3-phenylpropionate 2035-99-6, Isoamyl octanoate 2050-01-3, Isoamyl isobutyrate 2050-08-0, Pentyl salicylate 2051-78-7, Allyl butyrate 2052-14-4, Butyl salicylate 2052-15-5, Butyl levulinate 2084-18-6 2111-75-3, Perillaldehyde 2120-70-9, Phenoxyacetaldehyde 2142-94-1, Neryl formate 2153-26-6 2153-28-8 2173-56-0, Amyl valerate 2173-57-1 2179-57-9, Diallyl disulfide 2179-60-4, Methyl propyl disulfide 2198-61-0, Isoamyl hexanoate 2216-45-7, 4-Methylbenzyl acetate 2216-51-5 2217-33-6, Tetrahydrofurfuryl butyrate 2226-05-3 2277-19-2, cis-6-Nonenal 2294-76-0 2305-21-7, 2-Hexen-1-ol 2305-25-1, Ethyl 3-hydroxyhexanoate 2306-88-9, Octyl octanoate 2306-91-4, Isoamyl decanoate 2311-46-8, Isopropyl hexanoate 2311-59-3, Isopropyl decanoate 2315-68-6, Propyl benzoate 2345-24-6, Neryl isobutyrate 2345-26-8, Geranyl isobutyrate 2349-07-7, Hexyl isobutyrate 2349-14-6, Methyl geranate

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IT 2351-90-8, Ethyl 2-octenoate 2363-88-4, 2,4-Decadienal 2408-20-0, Allyl propionate 2412-80-8, Methyl isohexanoate 2432-51-1

2436-90-0, Dihydromyrcene 2437-25-4, Dodecanonitrile 2442-10-6, 1-Octen-3-yl acetate 2444-46-4, Nonanoylvanillylamide 2445-76-3, Hexyl propionate 2445-77-4, 2-Methylbutyl isovalerate 2497-18-9, trans-2-Hexenyl acetate 2568-25-4, Benzaldehyde propylene glycol acetal 2623-23-6, L-Menthyl acetate 2630-39-9, Methyl dihydrojasmonate 2639-63-6, Hexyl butyrate 2705-87-5, Allyl cyclohexanepropionate 2721-22-4, δ-Tetradecalactone 2756-56-1, Isobornyl propionate 2785-87-7, Dihydroeugenol 2785-89-9, 4-Ethylguaiacol 2807-30-9, Ethylene glycol monopropyl ether 2835-39-4, Allyl isovalerate 2847-30-5, 2-Methoxy-3-methylpyrazine 2949-92-0, S-Methyl methanethiosulfonate 2979-22-8 2983-37-1, Ethyl 2-ethylhexanoate 3142-72-1, 2-Methyl-2-pentenoic acid 3149-28-8, Methoxypyrazine 3160-37-0, Heliotropylacetone 3268-49-3, Methional 3301-94-8, δ-Nonalactone 3387-41-5, Sabinene 3391-83-1, 1,7-Dioxacycloheptadecan-8-one 3391-86-4, 1-Octen-3-ol 3452-97-9, 3,5,5-Trimethylhexanol 3454-07-7, p-Ethylstyrene 3558-60-9 3581-91-7, 4,5-Dimethylthiazole 3583-00-4, 4-Isopropyl-5,5-dimethyl-1,3-dioxane 3613-30-7, Methoxycitronellal 3658-77-3, Furaneol 3658-80-8, Dimethyl trisulfide 3658-93-3, Hexanal diethyl acetal 3681-71-8, cis-3-Hexenyl acetate 3683-12-3 3779-62-2, Sinensal 3796-70-1, Geranylacetone 3848-24-6, 2,3-Hexanedione 3913-81-3 3913-85-7, 2-Decenoic acid 4230-97-1, Allyl caprylate 4265-97-8, Heptyl octanoate 4351-10-4 4360-47-8, Styryl cyanide 4362-22-5 4430-31-3, Octahydrocoumarin 4437-20-1, Furfuryl disulfide 4437-51-8, 3,4-Hexanedione 4442-79-9, Cyclohexylethyl alcohol 4455-13-4, Ethyl methylthioacetate 4500-58-7, 2-Ethylbenzenethiol 4547-43-7 4602-84-0, Farnesol 4606-15-9, Propylphenyl acetate 4621-04-9, 4-Isopropylcyclohexanol 4630-07-3, Valencene 4674-50-4, Nootkatone 4676-39-5 4728-82-9, Allyl cyclohexylacetate 4747-07-3, Methyl hexyl ether 4819-67-4 4861-85-2, Isopropylphenyl acetate 4864-61-3, 3-Octyl acetate 4884-24-6, 2-Cyclopentylcyclopentanone 4927-36-0 4940-11-8, Ethylmaltol 4951-48-8, L-Menthyl propionate 5132-75-2, Octyl heptanoate 5146-66-7, Geranylnitrile 5205-11-8, Prenyl benzoate 5240-32-4, 1-Ethynylcyclohexyl acetate 5320-75-2, Cinnamyl benzoate 5331-32-8, Isobornyl methyl ether 5392-40-5, Citral 5405-41-4, Ethyl 3-hydroxybutyrate 5406-58-6, 2,5,5-Trimethyl-2-phenyl-1,3-dioxane 5421-17-0, Hexylphenyl acetate 5452-07-3 5457-70-5, Phenylethyl caprylate 5462-06-6, Canthoxal 5468-05-3 5468-06-4 5471-51-2, Raspberry ketone 5502-75-0, Mayol 5577-44-6, 2,4-Octadienal 5579-78-2, ε-Decalactone 5760-50-9, Methyl 9-undecenoate 5764-85-2, Ethyl 3-hydroxy-3-phenylpropionate 5837-78-5, Ethyl tiglate 5870-93-9, Heptyl butyrate 5910-85-0, 2,4-Heptadienal 5910-89-4, 2,3-Dimethylpyrazine 5947-36-4, Pinocarveol 5948-04-9, Dihydrocarvone 5953-76-4, Methyl angelate 5986-55-0, Patchouli alcohol 6028-61-1, Dipropyl trisulfide 6066-49-5, 3-n-Butyl phthalide 6079-97-6, Ethyl 2-hexylacetoacetate 6259-76-3, Hexyl salicylate 6270-03-7, Phenyl glycol diacetate 6304-24-1, 2-Isobutylpyridine 6309-51-9 6378-65-0, Hexyl hexanoate 6413-10-1, Ethyl acetoacetate ethylene glycol ketal 6485-40-1, L-Carvone 6493-80-7 6658-48-6 6707-60-4, 1,6-Dioxacycloheptadecan-7-one 6728-26-3, trans-2-Hexenal 6750-03-4, 2,4-Nonadienal 6789-80-6, cis-3-Hexenal 6789-88-4, Hexyl benzoate 6881-94-3, Diethylene glycol monopropyl ether 6915-15-7, Malic acid 6938-45-0, Benzyl hexanoate 6976-72-3, Heptyl hexanoate 7011-83-8 7051-39-0, Dihydrojasmone 7069-41-2, trans-2-Tridecenal 7074-08-0 7212-44-4, Nerolidol 7289-52-3,

Decyl methyl ether 7335-26-4, Ethyl o-methoxybenzoate 7370-92-5 7392-19-0, 2,2,6-Trimethyl-6-vinyltetrahydropyran 7403-42-1, 4-Methyl-4-phenyl-2-pentanone 7416-35-5 7452-79-1, Ethyl 2-methylbutyrate 7460-74-4, Phenylethyl valerate 7492-66-2, Citral diethyl acetal 7492-67-3, Citronellyloxyacetaldehyde 7492-70-8, Butyl butyryllactate 7493-57-4 7493-65-4, Allyl cyclohexanebutyrate 7493-69-8, Allyl 2-ethylbutyrate 7493-74-5, Allyl phenoxyacetate 7493-78-9, α-Amylcinnamyl acetate 7549-33-9, Anisyl propionate 7549-37-3, Citral dimethyl acetal 7580-12-3, 2,4,6-Triisopropyl-1,3,5-trioxane 7661-55-4, 5-Methylquinoline 7756-96-9 7774-44-9, Cyclohexyl isovalerate 7774-65-4 7775-39-5, Styralyl isobutyrate 7778-83-8, Propyl cinnamate 7778-85-0, Propylene glycol dimethyl ether 7778-87-2, Propyl heptanoate 7779-23-9, Linalyl hexanoate 7779-41-1, Decanal dimethyl acetal 7779-65-9, Isoamyl cinnamate 7779-78-4 7779-81-9, Isobutyl angelate 7779-94-4, Hydroxycitronellal diethyl acetal 7780-06-5, Isopropyl cinnamate 7784-67-0, Ethylisoeugenol 7785-33-3, Geranyl tiglate 7785-64-0, Butyl angelate 7786-44-9, 2,6-Nonadienol 7786-58-5, Octyl isovalerate 7787-20-4, L-Fenchone 8000-41-7, Terpineol 8000-41-7D, Terpineol, thio derivs. 8007-35-0, Terpinyl acetate 8013-00-1, Terpinene 8013-90-9, Ionone 8038-79-7, Benzoin oil 10022-28-3, Octanal dimethyl acetal 10024-64-3, Linalyl octanoate 10031-96-6, Eugenyl formate 10032-02-7, Geranyl hexanoate 10032-05-0, Heptanal dimethyl acetal 10032-13-0, Hexyl isovalerate 10032-15-2, Hexyl 2-methylbutyrate 10094-34-5 10108-80-2, Propylene glycol Dipropionate 10203-30-2, 3-Dodecanol 10221-57-5, Propylene glycol diethyl ether 10276-85-4 10318-16-8 10339-55-6, Ethyllinalool 10361-39-4, Benzyl valerate 10402-33-2, Eugenylphenyl acetate 10415-87-9 10444-50-5, Citral propylene glycol acetal 10482-55-0, Isoamyl angelate 10486-14-3, Rhodinyl phenylacetate 10486-19-8, Tridecanal 10519-11-6 10519-12-7, Decahydro-β-naphthyl formate 10544-63-5, Ethyl crotonate 10580-25-3, Citronellyl hexanoate 10588-10-0, Isobutyl valerate 10599-70-9, 3-Acetyl-2,5-dimethylfuran 10603-06-2 11028-42-5, Cedrene 11031-45-1, Santalol 11050-62-7, Isojasmone 11072-28-9, Dimethyloctenone 12001-36-4, Raspberry aldehyde 12262-03-2, Isoamyl undecylenate 12687-45-5, Caryophyllene aldehyde 13019-04-0 13019-22-2, 9-Decen-1-ol 13074-65-2, 2-Hexylcyclopentanone 13162-46-4, 2,4-Undecadienal 13162-47-5, 2,4-Dodecadienal 13171-00-1, Celestolide 13254-34-7, 2,6-Dimethylheptan-2-ol 13327-56-5, Ethyl 3-methylthiopropionate 13341-72-5, Mentha lactone 13351-61-6, 2,2-Dimethyl-3-phenylpropanol 13360-64-0, 2-Ethyl-5-methylpyrazine 13360-65-1, 2-Ethyl-3,6-dimethylpyrazine 13466-78-9 13481-87-3, Methyl 3-nonenoate 13491-79-7, 2-tert-Butylcyclohexanol 13494-06-9, 3,4-Dimethyl-1,2-cyclopentanedione 13494-07-0, 3,5-Dimethyl-1,2-cyclopentanedione 13532-18-8, Methyl 3-methylthiopropionate 13567-40-3, Cedranone 13567-54-9D, Cedrane, oxo derivative 13623-11-5, Trimethylthiazole 13659-75-1 13678-59-6, 2-Methyl-5-methylthiofuran 13678-68-7 13679-70-4, 5-Methyl-2-thiophenecarboxaldehyde 13679-86-2

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IT 13706-86-0, 5-Methyl-2,3-hexanedione 13708-12-8, 5-Methylquinoxaline 13816-33-6, Cuminylnitrile 13828-37-0 13851-11-1, Fenchyl acetate 13877-91-3, 3,7-Dimethyl-1,3,6-octatriene 13894-61-6 13894-63-8 13925-00-3, 2-Ethylpyrazine 13925-07-0, 2-Ethyl-3,5-dimethylpyrazine 13925-08-1, 2-Methyl-5-vinylpyrazine 13947-14-3 14159-61-6, 3-Isobutylpyridine 14289-65-7 14374-92-6, 4-Isopropyl-1-methyl-2-propenylbenzene 14510-36-2 14575-74-7,

α-Fenchyl alcohol 14576-08-0, α-Terpinyl methyl ether 14620-52-1, Dodecanal dimethyl acetal 14667-55-1, 2,3,5-Trimethylpyrazine 14727-47-0, Isolongifolanone 14765-30-1, 2-sec-Butylcyclohexanone 15111-96-3 15186-51-3, Rose furan 15323-35-0, Phantolide 15679-13-7, 2-Isopropyl-4-methylthiazole 15707-23-0, 2-Ethyl-3-methylpyrazine 15707-24-1, 2,3-Diethylpyrazine 15760-18-6 16251-77-7 16308-92-2, 2,4-Dimethylbenzyl alcohol 16356-11-9, 1,3,5-Undecatriene 16409-43-1, Rose oxide 16429-21-3, ε-Dodecalactone 16491-24-0, 2,4-Hexadienyl isobutyrate 16491-36-4, cis-3-Hexenyl butyrate 16491-62-6, Cyclohexyl crotonate 16587-71-6, 4-tert-Amylcyclohexanone 16630-66-3, Methyl methylthioacetate 16930-96-4, Hexyl tiglate 17140-33-9 17369-59-4, 3-Propylidene phthalide 17619-36-2, Methyl propyl trisulfide 18127-01-0 18138-04-0, 2,3-Diethyl-5-methylpyrazine 18409-17-1, trans-2-Octenol 18479-51-1, Dihydrolinalool 18479-57-7, Tetrahydromyrcenol 18640-74-9, 2-Isobutylthiazole 18675-24-6 18824-63-0, Nonanal dimethyl acetal 18829-55-5, trans-2-Heptenal 18829-56-6, trans-2-Nonenal 18854-56-3, Ethylene glycol dipropyl ether 18871-14-2, Jasmal 20407-84-5, trans-2-Dodecenal 20628-36-8 20777-39-3, Lavandulyl acetate 20780-48-7, Tetrahydrolinalyl acetate 20780-49-8 20834-59-7 21064-19-7D, Trimethylcyclododecatriene, epoxidized 21112-37-8 21145-77-7, Tonalide 21662-09-9, cis-4-Decenal 21722-83-8, Cyclohexylethyl acetate 21964-44-3, 1-Nonen-3-ol 22047-25-2, 2-Acetylpyrazine 22451-63-4, Alloocimene alcohol 22457-23-4, Stemone 22463-19-0 22493-94-3, 2-tert-Butylquinoline 22629-49-8, Tridecene-2-nitrile 23495-12-7, 2-Phenoxyethyl propionate 23726-93-4, Damascenone 23747-48-0 24237-00-1 24295-03-2, 2-Acetylthiazole 24683-00-9, 2-Isobutyl-3-methoxypyrazine 24717-85-9, Citronellyl tiglate 24817-51-4, Phenylethyl 2-methylbutyrate 25152-85-6, cis-3-Hexenyl benzoate 25265-71-8, Dipropylene glycol 25265-75-2, Butylene glycol 25304-14-7, 3,3-Dimethylcyclohexyl methyl ketone 25322-68-3 25339-16-6, sec-Octyl alcohol 25377-82-6, Tridecene 25377-83-7, Octene 25512-62-3, Cyclohexenone 25524-95-2, Jasmine lactone 25564-22-1, 2-Pentyl-2-cyclopentenone 25680-58-4, 2-Methoxy-3-ethylpyrazine 25773-40-4, 2-Methoxy-3-isopropylpyrazine 25795-46-4, Tetrahydrocitral 26266-05-7, Heptadecene 26370-28-5, 2,6-Nonadienal 26553-46-8 26619-69-2, Isolongifolene epoxide 26643-91-4, 4-Methyl-2-phenyl-2-pentenal 27070-58-2, Octadecene 27215-95-8, Nonene 27458-94-2, Isononyl alcohol 27606-09-3 27829-72-7 28069-74-1 28219-60-5 28221-20-7, L-Menthyl isovalerate 28316-62-3 28371-99-5, Trimofix O 28473-21-4, Nonanol 28588-74-1, 2-Methyl-3-furanthiol 28664-35-9, Sotolone 28929-03-5, Octadecadiene 28940-11-6 28977-58-4, Ocimenol 29387-86-8, Propylene glycol monobutyl ether 29549-60-8, 2-Ethylthiophenol 29597-36-2 29714-87-2, Ocimene 30025-38-8, Dipropylene glycol monoethyl ether 30076-98-3 30136-13-1, Propylene glycol monopropyl ether 30168-23-1, Dupical 30207-98-8, Undecanol 30673-36-0, Butyl decanoate 30960-39-5, Cedrenone 31375-17-4 31501-11-8, cis-3-Hexenyl caproate 31906-04-4, Liral 32210-23-4, p-tert-Butylcyclohexyl acetate 32388-55-9, Acetylcedrene 32659-21-5, Ethyl geranate 32665-23-9, Isopropyl isovalerate 32974-92-8, 2-Acetyl-3-ethylpyrazine 33467-73-1, cis-3-Hexenyl formate 33467-74-2, cis-3-Hexenyl propionate 33704-61-9, Cashmeran 34291-99-1 34413-35-9, 5,6,7,8-Tetrahydroquinoxaline 34590-94-8, Dipropylene glycol monomethyl ether 34764-02-8, Decanal diethyl acetal 35044-59-8 35117-86-3 35154-45-1, cis-3-Hexenyl isovalerate 35852-46-1, cis-3-Hexenyl valerate 35854-86-5 35884-42-5, Dipropylene glycol

monobutyl ether 36431-72-8, Theaspirane 36541-25-0, Methyltetrahydrofuranone 36701-01-6, Furfuryl valerate 37161-74-3 37172-02-4, 1-Acetoxy-2-sec-butyl-1-vinylcyclohexane 37486-72-9, Ethyl 2-decenoate 37514-30-0, 1-Methylcyclododecyl methyl ether 37526-88-8, Benzyl tiglate 37609-25-9, 5-Cyclohexadecen-1-one 37677-14-8, Myrac aldehyde 38049-26-2, Dihydrocarveol 38205-60-6, 5-Acetyl-2,4-dimethylthiazole 38285-49-3, 5-Methyl-3-butyltetrahydropyran-4-yl acetate 39067-39-5 39067-80-6, Thiogeraniol 39255-32-8, Ethyl 2-methylvalerate 39707-47-6 39900-38-4, Cedryl formate 40203-73-4, Methyl cyclopentylideneacetate 40228-18-0, Furfuryl methyl sulfide 40267-72-9, Geranyl ethyl ether 40527-42-2 40785-62-4, 3-Oxabicyclo[10.3.0]pentadec-6-ene 40910-49-4, Acetaldehyde ethyl linalyl acetal 41199-19-3, Ambrinol 41199-20-6 41496-43-9, 2-Methyl-3-(4-methylphenyl)propanal 41519-23-7, cis-3-Hexenyl isobutyrate 41816-03-9, Rhubofix 41890-92-0, 3,7-Dimethyl-7-methoxyoctan-2-ol 42184-18-9 42370-07-0 42436-07-7, cis-3-Hexenyl phenylacetate 49815-58-9 50607-64-2 50816-18-7 50980-84-2, Propylene glycol Dibutyrate 51566-62-2, Citronellylnitrile 51755-66-9, 3-Methylthio-1-hexanol 52125-53-8, Propylene glycol monoethyl ether 52844-21-0, Cyclocitral 53082-58-9, 3-Methylpentyl angelate 53219-21-9, Dihydromyrcenol 53338-06-0 53398-80-4, trans-2-Hexenyl propionate 53398-83-7, trans-2-Hexenyl butyrate 53398-85-9, cis-3-Hexenyl 2-methylbutyrate 53398-86-0, trans-2-Hexenyl hexanoate 53448-07-0, trans-2-Undecenal 53778-72-6 54082-68-7, 2,6,10-Trimethyl-5,9-undecadienal 54140-13-5 54264-04-9, Heptadecadiene 54464-57-2, Iso E super 54484-73-0, Acetaldehyde ethyl hexyl acetal 54546-26-8, 2-Butyl-4,4,6-trimethyl-1,3-dioxane 54815-13-3, Nonanal diethyl acetal 54889-48-4, Octanal diethyl acetal 54982-83-1, Ethylene dodecanedioate 55066-48-3, 3-Methyl-5-phenylpentanol 55066-49-4 55719-85-2, Phenylethyl tiglate 56001-43-5, Nerolidyl acetate 56011-02-0 56423-40-6, Benzyl 2-methylbutyrate 56973-85-4, α-Dynascone 57082-24-3, Caryophyllene acetate 57287-13-5, Dihydrocarvyl acetate 57371-42-3, Benzyleugenol 57500-00-2, Methyl furfuryl disulfide 57576-09-7, Isopulegyl acetate 57943-67-6 58102-02-6 58253-27-3, Gingerol 58430-94-7, 3,5,5-Trimethylhexyl acetate 58567-11-6, Formaldehyde cyclododecylethyl acetal 58985-18-5, Dihydroterpinyl acetate 59020-85-8 59021-03-3 59094-77-8, Ethyl thioacetate 59230-57-8, Cuminyl acetate 59259-90-4 59354-71-1 59558-23-5, p-Cresyl caprylate 60788-25-2 61215-74-5, Undecatriene 61562-03-6 61699-38-5 61711-48-6, Isodamascone 61792-11-8 61792-12-9, Cinnamyl tiglate 61920-45-4 (odor masking compns. containing fragrant substances for hair cosmetics)

IT 62238-34-0, 4-Heptenal 62288-69-1 62563-80-8, Vetiveryl acetate 63270-14-4, Nonanediol-1,3-diacetate 63450-34-0 63500-71-0 64001-15-6 64165-57-7 64988-06-3, Ethyl o-methoxybenzyl ether 65113-95-3 65113-99-7, 3-Methyl-5-(2,2,3-trimethyl-3-cyclopentenyl)-pentan-2-ol 65405-70-1, trans-4-Decenal 65405-73-4, Geranyloxyacetaldehyde 65405-76-7, cis-3-Hexenyl anthranilate 65405-77-8, cis-3-Hexenyl salicylate 65442-31-1 65443-14-3, 2,2,5-Trimethyl-5-pentylcyclopentanone 66062-78-0 66512-92-3 67114-38-9 67583-77-1 67633-94-7 67634-06-4 67634-15-5, Floralozone 67634-17-7, 2,4-Dimethyl-3-cyclohexene-1-methanol 67634-22-4 67662-96-8 67707-75-9, Ethyl 3,5,5-trimethylhexanoate 67715-80-4, 2-Methyl-4-propyl-1,3-oxathiane 67746-30-9, trans-2-Hexenal diethyl acetal 67785-77-7, Dimethylbenzylcarbinyl propionate 67801-33-6 67801-64-3 67845-46-9 67874-72-0, Coniferan 67874-78-6 67874-81-1, Cedryl methyl ether 67883-79-8,

cis-3-Hexenyl tiglate 68039-24-7 68039-49-6, Triplal 68129-81-7, Vetiverol 68141-17-3 68480-06-8 68527-74-2, Vanillin propylene glycol acetal 68527-77-5, Isocyclogeraniol 68527-78-6 68844-98-4 68922-10-1, Citronellyl isovalerate 68928-61-0 70214-77-6, 6,8-Dimethyl-2-nonanol 70788-30-6, Timberol 71172-75-3, Isoamyl levulinate 71566-53-5 72007-81-9 72013-84-4, 13-Oxabicyclo[10.3.0]pentadecane 72072-32-3, Diethylene glycol dipropyl ether 72089-08-8 72231-20-0, Tetrahydromugyl acetate 72424-08-9, 3-Propyl phthalide 72445-42-2, Mint sulfide 72797-27-4 72797-27-4D, dehydrogenated 73127-43-2 73545-18-3, cis-3-Hexenal diethyl acetal 75147-23-8, Buccoxime 77628-60-5 77733-94-9 78548-53-5 78649-62-4 79806-04-5, Vernaldehyde 80111-68-8, Damascone 80118-06-5 80466-34-8, 2,4-Hexadienal 80480-24-6 80858-47-5 80901-68-4 81782-77-6, 4-Methyl-3-decen-5-ol 81786-75-6 82373-92-0 82784-84-7 83783-82-8 84029-92-5, Acetaldehyde ethyl isoeugenyl acetal 84060-80-0, cis-3-Hexenyl angelate 84518-22-9 85624-40-4, Ocimene epoxide 86241-90-9 87118-95-4, 3,4,5,6,6-Pentamethyl-2-heptanol 87343-69-9 88969-41-9, Dihydromyrcenyl acetate 89444-36-0 91482-37-0 91967-77-0 94022-83-0 99565-75-0 107820-22-4 110516-60-4, Homofuraneol 119339-26-3 120204-34-4, 2,4-Hexadienol 127303-87-1, Dipropylene glycol monopropyl ether 139253-95-5 139504-68-0, Amber core 169825-80-3, 4-tert-Butylquinoline 176201-25-5, Aldehyde C-14 (Peach) 177771-82-3, Ambroxan 194986-84-0 195159-55-8, Myraldyl acetate 200061-88-7 208397-85-7 217816-75-6, Grisalva 223447-73-2, Tetrahydromugol 234436-14-7, Rhubofuran 266692-55-1, Florex 335380-17-1, Aldehyde C-16 (strawberry) 474653-58-2, Butane-1,3-diol monomethyl ether 474653-60-6, Butane-1,3-diol monobutyl ether 500345-56-2 524932-69-2 524932-73-8 524932-78-3 524932-99-8 524933-00-4 524933-01-5 524933-04-8 524933-11-7 524933-20-8 524933-22-0 524933-24-2 524933-37-7 524933-38-8 524933-43-5 524933-46-8 524933-48-0 524933-50-4 524960-46-1 524960-47-2 524960-48-3
(odor masking compns. containing fragrant substances for hair cosmetics)

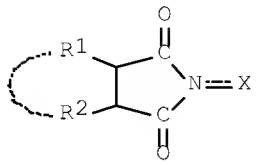
IT 119-53-9, Benzoin
(resinoid; odor masking compns. containing fragrant substances for hair cosmetics)

L38 ANSWER 4 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 2001:932488 HCAPLUS Full-text
DOCUMENT NUMBER: 136:53914
TITLE: Preparation of conjugated unsaturated carbonyl compounds with imides and cobalt salt catalysts under mild conditions
INVENTOR(S): Kitayama, Kenji
PATENT ASSIGNEE(S): Daicel Chemical Industries, Ltd., Japan
SOURCE: Jpn. Kokai Tokkyo Koho, 9 pp.
CODEN: JKXXAF
DOCUMENT TYPE: Patent
LANGUAGE: Japanese
FAMILY ACC. NUM. COUNT: 1
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
JP 2001354611	A	20011225	JP 2000-176494 <--	20000613
PRIORITY APPLN. INFO.:			JP 2000-176494 <--	20000613

OTHER SOURCE(S): CASREACT 136:53914; MARPAT 136:53914
ED Entered STN: 27 Dec 2001
GI



I

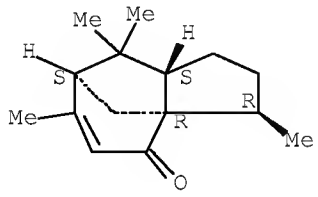
AB Conjugated unsatd. carbonyl compds., useful as fragrant substances, etc., are prepared by introduction of oxo group to CH2 group adjacent to C-C double bond in the presence of imides I [R1, R2 = H, halo, alkyl, aryl, cycloalkyl, OH, alkoxy, etc.; R1R2 may form (N-substituted imide group-containing) double bond, (aromatic) ring; X = O, OH] and Co(II) salts with acids with pKa ≤8.0 as catalysts. Thus, valencene was treated with N-hydroxyphthalimide, (AcO)2Co.4H2O, and Co(III) acetylacetonate under O at 40° for 2 h in MeCN to give 58% nootkatone.

IT 30960-39-5P, Cedrenone
(preparation of conjugated unsatd. carbonyl compds. as fragrant substances)

RN 30960-39-5 HCAPLUS

CN 4H-3a,7-Methanoazulen-4-one, 1,2,3,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aR,7S,8aS)- (CA INDEX NAME)

Absolute stereochemistry.



IC ICM C07C049-653
ICS B01J031-22; C07B061-00; C07C045-33; C07D207-416; C07D209-48

CC 30-15 (Terpenes and Terpenoids)
Section cross-reference(s): 21, 62

IT Odor and Odorous substances
Oxidation catalysts
Perfumes
(preparation of conjugated unsatd. carbonyl compds. as fragrant substances)

IT 4674-50-4P, Nootkatone 30960-39-5P, Cedrenone
(preparation of conjugated unsatd. carbonyl compds. as fragrant substances)

L38 ANSWER 5 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2001:472885 HCAPLUS Full-text
DOCUMENT NUMBER: 135:78585
TITLE: Perfume compositions with enhanced viscosity and process for their preparation
INVENTOR(S): Mohr, Bernhard; Bertleff, Werner; Smets, Johan; Wevers, Jean
PATENT ASSIGNEE(S): Basf A.-G., Germany
SOURCE: PCT Int. Appl., 36 pp.
CODEN: PIXXD2
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 3
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
WO 2001046373	A1	20010628	WO 2000-EP13004 <--	20001220
W: AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CR, CU, CZ, DE, DK, DM, DZ, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW				
RW: GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW, AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE, TR, BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG				
EP 1111034	A1	20010627	EP 2000-202168 <--	20000622
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO				
CA 2395553	A1	20010628	CA 2000-2395553 <--	20001220
CA 2395553	C	20060110		
AU 2001033645	A	20010703	AU 2001-33645 <--	20001220
EP 1240304	A1	20020918	EP 2000-991612 <--	20001220
EP 1240304	B1	20061025		
R: AT, BE, CH, DE, DK, ES, FR, GB, GR, IT, LI, LU, NL, SE, MC, PT, IE, SI, LT, LV, FI, RO, MK, CY, AL, TR				
BR 2000017031	A	20030107	BR 2000-17031 <--	20001220
JP 2004500451	T	20040108	JP 2001-546871 <--	20001220
ES 2250225	T3	20060416	ES 2000-986672 <--	20001220
AT 343627	T	20061115	AT 2000-991612 <--	20001220
CN 1328365	C	20070725	CN 2000-817678 <--	20001220
CN 100441671	C	20081210	CN 2000-817601 <--	20001220
MX 2002006254	A	20040906	MX 2002-6254 <--	20020621
US 20040097397	A1	20040520	US 2003-380013 <--	20030311

PRIORITY APPLN. INFO.: EP 1999-870277 A 19991222 <--

EP 2000-870070 A 20000413
<--
EP 2000-202168 A 20000622
<--
WO 2000-EP13004 W 20001220
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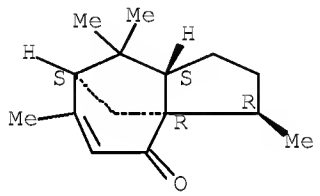
ED Entered STN: 29 Jun 2001
AB A perfume composition is obtainable by adding to 100 parts by weight of a mixture of (a) 10-95% ≥1 perfume and (b) 5-90% ≥1 polyamine, the sum of (a) and (b) being always 100%, 0.1-20 parts ≥1 crosslinking agent having at least two groups which react with primary or secondary amino groups of the polyamine and crosslinking the mixture and/or adding 0.1-30 parts thickening agent such as hydrogenated castor oil.
IT 30960-39-5, Cedrenone
(perfume; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
RN 30960-39-5 HCAPLUS
CN 4H-3a,7-Methanoazulen-4-one, 1,2,3,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aR,7S,8aS)- (CA INDEX NAME)

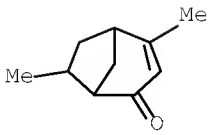
Absolute stereochemistry.



IC ICM C11D003-50
ICS D06M013-00; C11D003-37
CC 46-5 (Surface Active Agents and Detergents)
ST perfume compn enhanced viscosity laundry detergent; hydrogenated castor oil thickener perfume compn laundry detergent; crosslinked polyamine perfume compn laundry detergent; polyamine perfume compn laundry detergent
IT Castor oil
(hydrogenated, thickener, Luvotix HT; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT Detergents
(laundry; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT Fabric softeners
Thickening agents
(perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT Amines, uses
(polyamines, nonpolymeric; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT 7631-86-9, Aerosil 380, uses
(colloidal, thickener; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT 136837-49-5P, Aziridine-ethyleneglycol diglycidyl ether copolymer
303729-77-3P, Ethyleneglycol diglycidyl ether-vinylamine copolymer

347147-26-6P
(in-situ-prepared thickener; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT 60-12-8, Phenylethylalcohol 66-25-1, Hexanal 77-53-2, Cedrol 78-70-6, Linalool 80-54-6, Lilial 99-49-0, Carvone 100-52-7, Benzaldehyde, uses 101-86-0, α-Hexylcinnamaldehyde 103-45-7 103-95-7, Cymal 106-22-9, Citronellol 110-41-8, Methyl nonyl acetaldehyde 112-31-2, Decanal 115-95-7, Linalylacetate 118-58-1, Benzylsalicylate 119-61-9, Benzophenone, uses 120-57-0, Heliotropin 122-40-7, α-Amylcinnamaldehyde 140-11-4, Benzylacetate 1222-05-5, Galaxolide 1423-46-7 2550-26-7, Benzyl acetone 2630-39-9, Methyldihydrojasmonate 5392-40-5 6728-26-3, trans-2-Hexenal 7388-22-9, γ-Methylionone 23726-91-2, β-Damascone 23726-93-4, Damascenone 26370-28-5, 2,6-Nonadienal 30385-25-2, Dihydromyrcenol 30960-39-5, Cedrenone 43052-87-5, α-Damascone 57378-68-4, δ-Damascone 61711-48-6, Iso-damascone 68039-49-6, 2,4-Dimethyl-3-cyclohexene-1-carboxaldehyde 74338-72-0, 2,4,4,7-Tetramethyloct-6-en-3-one 125109-85-5, Florhydral 130066-44-3, Lyral
(perfume; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
IT 51796-19-1, Thixatrol ST
(thickener; perfume compns. with enhanced viscosity for laundry detergents and fabric softeners)
REFERENCE COUNT: 4 THERE ARE 4 CITED REFERENCES AVAILABLE FOR THIS RECORD. ALL CITATIONS AVAILABLE IN THE RE FORMAT

L38 ANSWER 6 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 2000:369721 HCAPLUS Full-text
Correction of: 1996:763707
DOCUMENT NUMBER: 132:333658
Correction of: 126:59110
TITLE: Volatile constituents of blood and blond orange juices: a comparison
AUTHOR(S): Naef, Regula; Velluz, Alain; Meyer, Anthony P.
CORPORATE SOURCE: Firmenich SA, Geneva, CH-1211, Switz.
SOURCE: Journal of Essential Oil Research (1996), 8(6), 587-595
CODEN: JEOREG; ISSN: 1041-2905
PUBLISHER: Allured
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 05 Jun 2000
AB The volatile constituents obtained by solvent extraction of the juices of both blood and blond sweet oranges (Citrus sinensis (L.) Osbeck) were studied. Some known compds. are reported in orange juice for the 1st time. The spectral data of 4 new sesquiterpenoids (valencene hydrate, γ-selinene hydrate, selina-3,11-dien-5-ol, epoxy-valencence) and of a sulfur-containing compound (S,S'-ethylidene dithioacetate) identified for the 1st time in a natural product, are given and an olfactive comparison is included.
IT 185148-39-4P
(volatile constituents of blood and blond orange juices)
RN 185148-39-4 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 4,7-dimethyl- (CA INDEX NAME)

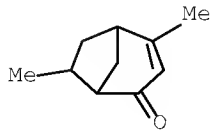


CC 17-10 (Food and Feed Chemistry)
IT Odor and Odorous substances
Orange juice
Volatile substances
(volatile constituents of blood and blond orange juices)
IT 57-10-3P, Hexadecanoic acid, biological studies 57-11-4P, Octadecanoic acid, biological studies 60-33-3P, 9,12-Octadecadienoic acid (Z,Z)-, biological studies 64-17-5P, Ethanol, biological studies 71-36-3P, 1-Butanol, biological studies 76-22-2P, Camphor 78-70-6P, Linalool 79-31-2P, 2-Methylpropanoic acid 80-26-2P, α-Terpinyl acetate 80-56-8P, α-Pinene 80-57-9P, Verbenone 87-44-5P, β-Caryophyllene 97-53-0P, Eugenol 98-86-2P, Acetophenone, biological studies 100-51-6P, Benzyl alcohol, biological studies 101-97-3P, Ethyl 2-phenylacetate 103-36-6P, Ethyl cinnamate 104-54-1P, Cinnamic alcohol 104-76-7P 105-54-4P, Ethyl butyrate 105-57-7P, 1,1-Diethoxyethane 105-66-8P, Propyl butyrate 106-27-4P, 3-Methylbutyl butyrate 106-32-1P, Ethyl octanoate 107-93-7P, (E)-2-Butenoic acid 111-02-4P, Squalene 111-27-3P, 1-Hexanol, biological studies 112-05-0P, Nonanoic acid 112-14-1P, Octyl acetate 112-41-4P, 1-Dodecene 112-66-3P, Dodecyl acetate 112-80-1P, 9-Octadecenoic acid, (Z)-, biological studies 116-26-7P, Safranal 119-36-8P, Methyl salicylate 121-33-5P, Vanillin 123-25-1P, Diethyl butanedioate 123-35-3P, Myrcene 123-42-2P, 4-Methyl-4-hydroxy-2-pentanone 123-73-9P, (E)-2-Butenal 123-79-5P, Hexanedioic acid, Dioctyl ester 138-86-3P, Limonene 140-11-4P, Benzyl acetate 142-92-7P, Hexyl acetate 143-07-7P, Dodecanoic acid, biological studies 143-13-5P, Nonyl acetate 149-57-5P 301-00-8P, Methyl linolenate 432-25-7P, β-Cyclocitral 473-13-2P, α-Selinene 483-76-1P, δ-Cadinene 484-12-8P, Osthole 501-52-0P, 3-Phenylpropanoic acid 513-86-0P, 3-Hydroxy-2-butanone 536-59-4P, Perillic alcohol 539-90-2P, 2-Methylpropyl butyrate 544-35-4P, Ethyl linoleate 544-63-8P, Tetradecanoic acid, biological studies 547-26-2P, Epi-α-Cyperone 555-10-2P, β-Phellandrene 575-43-9P, 1,6-Dimethylnaphthalene 584-02-1P, 3-Pentanol 591-63-9P, Butyl (E)-2-butenoate 621-82-9P, Cinnamic acid, biological studies 623-70-1P, Ethyl (E)-2-butenoate 626-77-7P, Propyl hexanoate 626-82-4P, Butyl hexanoate 629-80-1P, Hexadecanal 638-66-4P, Octadecanal 695-06-7P, γ-Hexalactone 823-22-3P, δ-Hexalactone 1002-84-2P, Pentadecanoic acid 1117-52-8P, Farnesyl acetone 1120-36-1P, 1-Tetradecene 1125-21-9P, Oxophorone 1139-30-6P 1204-30-4P, Piperityl acetate 1731-81-3P, Undecyl acetate 2021-28-5P, Ethyl 3-phenylpropionate 2305-25-1P, Ethyl 3-hydroxyhexanoate 2344-70-9P, 4-Phenyl-2-butanol 2548-87-0P, (E)-2-Octenal 2628-17-3P, p-Vinylphenol 2639-63-6P, Hexyl butanoate 2765-11-9P, Pentadecanal 3387-41-5P, Sabinene 3391-86-4P, 1-Octen-3-ol 3796-70-1P, Geranyl acetone 3856-25-5P, α-Copaene 3913-81-3P, (E)-2-Decenal 4253-89-8P, Diisopropyl disulfide 4313-02-4P, (E,Z)-2,4-Heptadienal 4313-03-5P,

(E,E)-2,4-Heptadienal 4602-84-0P, Farnesol 4630-07-3P, Valencene 4674-50-4P, Nootkatone 5090-61-9P, Nootkatene 5405-41-4P, Ethyl 3-hydroxybutyrate 5943-34-0P, Diisopropyl trisulfide 5948-04-9P, Dihydrocarvone 5989-02-6P, Loliolide 6090-09-1P 6168-59-8P, Intermedeol 6210-51-1P, 3-Hexanol,(S)- 6728-26-3P, (E)-2-Hexenal 6750-60-3P, Spathulenol 6753-98-6P, α-Humulene 7299-91-4P, Butyl 2-butenoate 7694-45-3P, Perillic acid 7786-61-0P, 4-Vinylguaiacol 10471-14-4P, 1-Ethoxy-1-methoxyethane 13416-74-5P, 2-Hexenoic acid, butyl ester 13419-69-7P, (E)-2-Hexenoic acid 14191-95-8P, 4-Hydroxyphenylacetonitrile 14203-59-9P 14398-34-6P, 3-Hydroxy-β-ionone 15111-96-3P, Perillyl acetate 16647-04-4P 16677-02-4P 17066-67-0P, β-Selinene 17245-25-9P 17699-05-7P, α-Bergamotene 18252-44-3P, β-Copaene 18409-17-1P, (E)-2-Octenol 18829-55-5P, (E)-2-Heptenal 18829-56-6P, (E)-2-Nonenal 19355-58-9P 19620-37-2P, 2-Cyclohexen-1-one, 4-hydroxy-2,6,6-trimethyl- 19945-61-0P, (E)-4,8-Dimethyl-1 3,7-nonatriene 20266-80-2P 20489-53-6P, 1,10-Dihydronootkatone 20548-00-9P, 3,5,5-Trimethyl-4-methylene-2-cyclohexen-1 one 20548-02-1P, Cyclohexanone, 4-Hydroxy-2,2,6-trimethyl- 21188-61-4P, Ethyl 3-acetoxyhexanoate 21214-62-0P, 1,3,7-Nonatriene, 4,8-Dimethyl-, (Z)- 27829-72-7P, Ethyl (E)-2-hexenoate 29178-96-9P, (Z)-6-Methyl-3,5-heptadien-2-one 33880-83-0P, β-Elemene 35387-23-6P, Epi-α-Selinene 41096-39-3P, Hexanoic acid, 3-hydroxy-, propyl ester 50763-67-2P, Nootkatol 53448-07-0P, (E)-2-Undecenal 54411-16-4P, 2-Hexenoic acid, butyl ester, (E)- 56269-22-8P, 2,4,6-Nonatrienal 60544-74-3P, 2-Pentenol 66779-68-8P 67663-01-8P 74410-10-9P, Dill ether 80373-18-8P 83646-56-4P 85248-56-2P 87200-84-8P 90820-79-4P 98028-42-3P, Heptadecenal 117192-93-5P 119417-97-9P 125289-66-9P 163634-05-7P 177932-15-9P 179177-72-1P, Hexanoic acid, 3-hydroxy-, butyl ester 185148-39-4P 185148-40-7P 185148-41-8P 185148-42-9P 185148-43-0P 185203-27-4P
(volatile constituents of blood and blond orange juices)

L38 ANSWER 7 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1996:763707 HCAPLUS Full-text
DOCUMENT NUMBER: 126:59110
ORIGINAL REFERENCE NO.: 126:11619a,11622a
TITLE: Volatile constituents of blood and blond orange juices: a comparison
AUTHOR(S): Naaf, Regula; Velluz, Alain; Meyer, Anthony P.
CORPORATE SOURCE: Firmenich SA, Corp. Res. Div., Geneva, CH-1211, Switz.
SOURCE: Journal of Essential Oil Research (1996), 8(6), 587-595
CODEN: JEOREG; ISSN: 1041-2905
PUBLISHER: Allured
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 01 Jan 1997
AB The volatile constituents obtained by solvent extraction of the juices of both blood and blond sweet oranges (Citrus sinensis (L.) Osbeck) were studied. Some known compds. are reported in orange juice for the 1st time. The spectral data of 4 new sesquiterpenoids (valencene hydrate, γ-selinene hydrate, selina-3,11-dien-5-ol, epoxy-valencence) and of a sulfur-containing compound (S,S'-ethylidene dithioacetate) identified for the 1st time in a natural product, are given and an olfactive comparison is included.
IT 185148-39-4P

(volatile constituents of blood and blond orange juices)
RN 185148-39-4 HCAPLUS
CN Bicyclo[3.2.1]oct-3-en-2-one, 4,7-dimethyl- (CA INDEX NAME)



CC 17-10 (Food and Feed Chemistry)
IT Odor and Odorous substances
Orange juice
(volatile constituents of blood and blond orange juices)
IT 57-10-3P, Hexadecanoic acid, biological studies 57-11-4P, Octadecanoic acid, biological studies 60-33-3P, 9,12-Octadecadienoic acid (Z,Z)-, biological studies 64-17-5P, Ethanol, biological studies 71-36-3P, 1-Butanol, biological studies 76-22-2P, Camphor 78-70-6P, Linalool 79-31-2P, 2-Methylpropanoic acid 80-26-2P, α-Terpinyl acetate 80-56-8P, α-Pinene 80-57-9P, Verbenone 87-44-5P, β-Caryophyllene 97-53-0P, Eugenol 98-86-2P, Acetophenone, biological studies 100-51-6P, Benzyl alcohol, biological studies 101-97-3P, Ethyl 2-phenylacetate 103-36-6P, Ethyl cinnamate 104-54-1P, Cinnamic alcohol 104-76-7P 105-54-4P, Ethyl butyrate 105-57-7P, 1,1-Diethoxyethane 105-66-8P, Propyl butyrate 106-27-4P, 3-Methylbutyl butyrate 106-32-1P, Ethyl octanoate 107-93-7P, (E)-2-Butenoic acid 111-02-4P, Squalene 111-27-3P, 1-Hexanol, biological studies 112-05-0P, Nonanoic acid 112-14-1P, Octyl acetate 112-41-4P, 1-Dodecene 112-66-3P, Dodecyl acetate 112-80-1P, 9-Octadecenoic acid, (Z)-, biological studies 116-26-7P, Safranal 119-36-8P, Methyl salicylate 121-33-5P, Vanillin 123-25-1P, Diethyl butanedioate 123-35-3P, Myrcene 123-42-2P, 4-Methyl-4-hydroxy-2-pentanone 123-73-9P, (E)-2-Butenal 123-79-5P, Hexanedioic acid, Dioctyl ester 138-86-3P, Limonene 140-11-4P, Benzyl acetate 142-92-7P, Hexyl acetate 143-07-7P, Dodecanoic acid, biological studies 143-13-5P, Nonyl acetate 149-57-5P 301-00-8P, Methyl linolenate 432-25-7P, β-Cyclocitral 473-13-2P, α-Selinene 483-76-1P, δ-Cadinene 484-12-8P, Osthole 501-52-0P, 3-Phenylpropanoic acid 513-86-0P, 3-Hydroxy-2-butanone 536-59-4P, Perillic alcohol 539-90-2P, 2-Methylpropyl butyrate 544-35-4P, Ethyl linoleate 544-63-8P, Tetradecanoic acid, biological studies 547-26-2P, epi-α-Cyperone 555-10-2P, β-Phellandrene 575-43-9P, 1,6-Dimethylnaphthalene 584-02-1P, 3-Pentanol 591-63-9P, Butyl (E)-2-butenoate 621-82-9P, Cinnamic acid, biological studies 623-70-1P, Ethyl (E)-2-butenoate 626-77-7P, Propyl hexanoate 626-82-4P, Butyl hexanoate 629-80-1P, Hexadecanal 638-66-4P, Octadecanal 695-06-7P, γ-Hexalactone 823-22-3P, δ-Hexalactone 1002-84-2P, Pentadecanoic acid 1117-52-8P, Farnesyl acetone 1120-36-1P, 1-Tetradecene 1125-21-9P, Oxophorone 1139-30-6P 1204-30-4P, Piperityl acetate 1731-81-3P, Undecyl acetate 2021-28-5P, Ethyl 3-phenylpropionate 2305-25-1P, Ethyl 3-hydroxyhexanoate 2344-70-9P, 4-Phenyl-2-butanol 2548-87-0P, (E)-2-Octenal 2628-17-3P, p-Vinylphenol 2639-63-6P, Hexyl

butanoate 2765-11-9P, Pentadecanal 3387-41-5P, Sabinene 3391-86-4P, 1-Octen-3-ol 3796-70-1P, Geranyl acetone 3856-25-5P, α-Copaene 3913-81-3P, (E)-2-Decenal 4253-89-8P, Diisopropyl disulfide 4313-02-4P, (E,Z)-2,4-Heptadienal 4313-03-5P, (E,E)-2,4-Heptadienal 4602-84-0P, Farnesol 4630-07-3P, Valencene 4674-50-4P, Nootkatone 5090-61-9P, Nootkatene 5405-41-4P, Ethyl 3-hydroxybutyrate 5943-34-0P, Diisopropyl trisulfide 5948-04-9P, Dihydrocarvone 5989-02-6P, Loliolide 6090-09-1P 6168-59-8P, Intermedeol 6210-51-1P, 3-Hexanol,(S)- 6728-26-3P, (E)-2-Hexenal 6750-60-3P, Spathulenol 6753-98-6P, α-Humulene 7299-91-4P, Butyl 2-butenoate 7694-45-3P, Perillic acid 7786-61-0P, 4-Vinylguaiacol 10471-14-4P, 1-Ethoxy-1-methoxyethane 13416-74-5P, 2-Hexenoic acid, butyl ester 13419-69-7P, (E)-2-Hexenoic acid 14191-95-8P, 4-Hydroxyphenylacetonitrile 14203-59-9P 14398-34-6P, 3-Hydroxy-β-ionone 15111-96-3P, Perillyl acetate 16647-04-4P 16677-02-4P 17066-67-0P, β-Selinene 17245-25-9P 17699-05-7P, α-Bergamotene 18252-44-3P, β-Copaene 18409-17-1P, (E)-2-Octenol 18829-55-5P, (E)-2-Heptenal 18829-56-6P, (E)-2-Nonenal 19355-58-9P 19620-37-2P, 2-Cyclohexen-1-one, 4-hydroxy-2,6,6-trimethyl- 19945-61-0P, (E)-4,8-Dimethyl-1 3,7-nonatriene 20266-80-2P 20489-53-6P, 1,10-Dihydronootkatone 20548-00-9P, 3,5,5-Trimethyl-4-methylene-2-cyclohexen-1 one 20548-02-1P, Cyclohexanone, 4-Hydroxy-2,2,6-trimethyl- 21188-61-4P, Ethyl 3-acetoxyhexanoate 21214-62-0P, 1,3,7-Nonatriene, 4,8-Dimethyl-, (Z)- 27829-72-7P, Ethyl (E)-2-hexenoate 29178-96-9P, (Z)-6-Methyl-3,5-heptadien-2-one 33880-83-0P, β-Elemene 35387-23-6P, epi-α-Selinene 41096-39-3P, Hexanoic acid, 3-hydroxy-, propyl ester 50763-67-2P, Nootkatol 53448-07-0P, (E)-2-Undecenal 54411-16-4P, 2-Hexenoic acid, butyl ester, (E)- 56269-22-8P, 2,4,6-Nonatrienal 60544-74-3P, 2-Pentenol 66779-68-8P 67663-01-8P 74410-10-9P, Dill ether 80373-18-8P 83646-56-4P 85248-56-2P 87200-84-8P 90820-79-4P 98028-42-3P, Heptadecenal 117192-93-5P 119417-97-9P 125289-66-9P 163634-05-7P 177932-15-9P 179177-72-1P, Hexanoic acid, 3-hydroxy-, butyl ester 185148-39-4P 185148-40-7P 185148-41-8P 185148-42-9P 185148-43-0P 185203-27-4P
(volatile constituents of blood and blond orange juices)

L38 ANSWER 8 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1988:615737 HCAPLUS Full-text
DOCUMENT NUMBER: 109:215737
ORIGINAL REFERENCE NO.: 109:35613a,35616a
TITLE: On the chemical composition of cedarwood oil (Juniperus virginiana L.)
AUTHOR(S): Ter Heide, R.; Visser, J.; Van der Linde, L. M.; Van Lier, F. P.
CORPORATE SOURCE: Res. Dep., Quest Int., Bussum, 1400 CA, Neth.
SOURCE: Developments in Food Science (1988), 18(Flavors Fragrances), 627-39
CODEN: DFSCDX; ISSN: 0167-4501
DOCUMENT TYPE: Journal
LANGUAGE: English
ED Entered STN: 10 Dec 1988
AB Virginia red cedarwood oil is an indispensable raw material for the fragrance industry. Major constituents are sesquiterpene hydrocarbons and cedrol. The hydrocarbon fraction and cedrol play a minor role in the typical odor character of cedarwood oil. Therefore, the remaining portion of the oil was analyzed using chemical, chromatog. and spectroscopic methods. Several

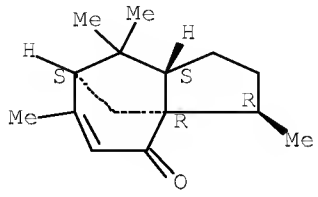
hitherto unreported O-containing sesquiterpenes were identified. The synthesis of some of them is described.

IT 30960-39-5, 8-Cedren-10-one
(of Virginia cedarwood oil)

RN 30960-39-5 HCAPLUS

CN 4H-3a,7-Methanoazulen-4-one, 1,2,3,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aR,7S,8aS)- (CA INDEX NAME)

Absolute stereochemistry.



CC 62-2 (Essential Oils and Cosmetics)
Section cross-reference(s): 30

IT 77-53-2, Cedrol 470-41-7, Thujopsenal 472-97-9, Caryolan-1-ol 4674-50-4 6892-80-4, Widdrol 19912-84-6, Chamigrenal 28387-62-4 30960-39-5, 8-Cedren-10-one 66397-72-6 79768-26-6 88134-22-9 117421-20-2, 2-Methyl-6-(4'-methylphenyl)heptan-2-ol-3-one 117442-64-5 117468-55-0 117468-56-1
(of Virginia cedarwood oil)

L38 ANSWER 9 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN

ACCESSION NUMBER: 1980:11079 HCAPLUS Full-text

DOCUMENT NUMBER: 92:11079

ORIGINAL REFERENCE NO.: 92:1891a,1894a

TITLE: Monographs on fragrance raw materials. Cedrenone

AUTHOR(S): Opdyke, D. L. J.

CORPORATE SOURCE: Res. Inst., Fragrance Mat., Inc., Englewood Cliffs, NJ, 07632, USA

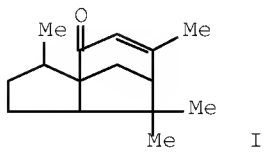
SOURCE: Food and Cosmetics Toxicology (1978), 16(Suppl. 1), 681
CODEN: FCTXAV; ISSN: 0015-6264

DOCUMENT TYPE: Journal; General Review

LANGUAGE: English

ED Entered STN: 12 May 1984

GI

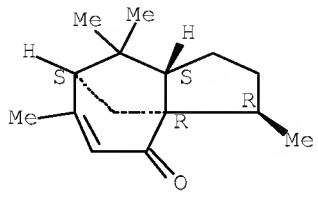


I

AB A review with 8 refs. on cedrenone (I) [30960-39-5] including toxicity, irritation, and sensitization.

IT 30960-39-5
(fragrance raw material)
RN 30960-39-5 HCAPLUS
CN 4H-3a,7-Methanoazulen-4-one, 1,2,3,7,8,8a-hexahydro-3,6,8,8-tetramethyl-, (3R,3aR,7S,8aS)- (CA INDEX NAME)

Absolute stereochemistry.



CC 62-0 (Essential Oils and Cosmetics)
Section cross-reference(s): 1, 4
ST review cedrenone; perfume cedrenone review
IT Perfumes and Essences
(raw materials for, cedrenone as)
IT 30960-39-5
(fragrance raw material)

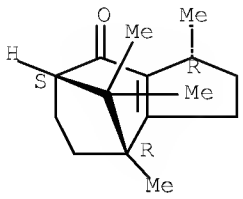
L38 ANSWER 10 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1974:505753 HCAPLUS Full-text
DOCUMENT NUMBER: 81:105753
ORIGINAL REFERENCE NO.: 81:16743a,16746a
TITLE: Perfume compositions containing hexahydro-1,4,9,9-tetramethyl-4,7-methanoazulenones
INVENTOR(S): Mookherjee, Braja D.
PATENT ASSIGNEE(S): International Flavors and Fragrances Inc.
SOURCE: U.S., 5 pp. Division of U.S. 3,679,750 (CA 77;101939h).
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2
PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3814704	A	19740604	US 1972-220483 <--	19720124
US 3679750	A	19720725	US 1968-735545 <--	19680610
PRIORITY APPLN. INFO.:			US 1968-735545 <--	A3 19680610

ED Entered STN: 12 May 1984
GI For diagram(s), see printed CA Issue.
AB Oxidation of β-patchoulene (I) gave a fragrant mixture of ketones useful as perfume for soap, detergent, or cosmetic powder compns. Thus, I was oxidized with CrO3 in Me3COH to give a mixture of ketones II-V, characterized by their ir, NMR, and mass spectra.
IT 27440-91-1P 27440-92-2P

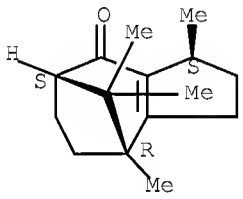
(preparation and use in perfume compns.)
RN 27440-91-1 HCAPLUS
CN 4,7-Methanoazulen-8(1H)-one, 2,3,4,5,6,7-hexahydro-1,4,9,9-tetramethyl-, [1R-(1α,4β,7β)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



RN 27440-92-2 HCAPLUS
CN 4,7-Methanoazulen-8(1H)-one, 2,3,4,5,6,7-hexahydro-1,4,9,9-tetramethyl-, [1S-(1α,4α,7α)]- (9CI) (CA INDEX NAME)

Absolute stereochemistry.



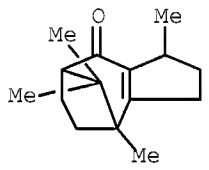
IC A61K; C11B
INCL 252522000
CC 30-15 (Terpenoids)
ST beta patchoulene oxidn; ketone terpene perfume
IT Perfumes
(unsatd. ketones from oxidation of β patchoulene as)
IT 27440-91-1P 27440-92-2P 37932-12-0P 37932-14-2P
53567-72-9P 53625-90-4P
(preparation and use in perfume compns.)

L38 ANSWER 11 OF 11 HCAPLUS COPYRIGHT 2009 ACS on STN
ACCESSION NUMBER: 1972:501939 HCAPLUS Full-text
DOCUMENT NUMBER: 77:101939
ORIGINAL REFERENCE NO.: 77:16807a,16810a
TITLE: Hexahydro 1,4,9,9-tetramethyl-4,7-methanoazulenones, as olfactory agents
INVENTOR(S): Mookherjee, Braja D.
PATENT ASSIGNEE(S): International Flavors and Fragrances Inc.
SOURCE: U.S., 5 pp.
CODEN: USXXAM
DOCUMENT TYPE: Patent
LANGUAGE: English
FAMILY ACC. NUM. COUNT: 2

PATENT INFORMATION:

PATENT NO.	KIND	DATE	APPLICATION NO.	DATE
US 3679750	A	19720725	US 1968-735545 <--	19680610
US 3814704	A	19740604	US 1972-220483 <--	19720124
PRIORITY APPLN. INFO.:			US 1968-735545 <--	A3 19680610

ED Entered STN: 12 May 1984
GI For diagram(s), see printed CA Issue.
AB A mixture of ketones (I, R : H, R1 : Me, R2 : H2, R3 : O; R : Me, R1 : H, R2 : H2, R3 : O; R : H, R1 : Me, R2 : O, R3 : H2; R : Me, R1 : H, R2 : O, R3 : H2; (RR1 : CH2), R2 : H2, R3 : O; and II) was prepared (195 g) by oxidizing 200 g β-patchoulene with CrO3-Me3COH and Ac2O-HOAc. I and II have woody to camphoraceous odors.
IT 37932-13-1P
(preparation of)
RN 37932-13-1 HCAPLUS
CN 5,8-Methanoazulen-4(1H)-one, 2,3,5,6,7,8-hexahydro-3,8,9,9-tetramethyl- (CA INDEX NAME)



IC C07C
INCL 260586000A
CC 30-15 (Terpenoids)
ST odorant hexahydromethanoazulenone; methanoazulenone hexahydro odorant
IT 37932-11-9P 37932-12-0P 37932-13-1P 37932-14-2P
(preparation of)

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=> d his nofile

     (FILE 'HOME' ENTERED AT 15:51:19 ON 20 APR 2009)

     FILE 'HCAPLUS' ENTERED AT 15:51:26 ON 20 APR 2009
L1             1 SEA SPE=ON  ABB=ON  PLU=ON  US20050239683/PN
                 SEL RN

     FILE 'REGISTRY' ENTERED AT 15:51:35 ON 20 APR 2009
L2            24 SEA SPE=ON  ABB=ON  PLU=ON  (1121-18-2/BI OR 435270-49-8/BI
                  OR 503-60-6/BI OR 563-43-9/BI OR 576-26-1/BI OR 639060-91-
                 6/BI OR 639060-93-8/BI OR 639060-94-9/BI OR 639060-96-1/BI
                 OR 639060-98-3/BI OR 639061-00-0/BI OR 639061-02-2/BI OR
                 639061-04-4/BI OR 639061-06-6/BI OR 639061-08-8/BI OR
                 639061-10-2/BI OR 639061-12-4/BI OR 639061-14-6/BI OR
                 639061-16-8/BI OR 639061-18-0/BI OR 639061-20-4/BI OR
                 639061-23-7/BI OR 870-63-3/BI OR 917-65-7/BI)
L3             3 SEA SPE=ON  ABB=ON  PLU=ON  L2 AND  C13 H20 O/MF
L4             1 SEA SPE=ON  ABB=ON  PLU=ON  639061-02-2/RN
L5             0 SEA SPE=ON  ABB=ON  PLU=ON  639061-02-2/CRN
L6               STR
L7             0 SEA SSS SAM L6
L8               STR L6
L9            50 SEA SSS SAM L8
L10              STR L8
L11            5 SEA SSS SAM L10

     FILE 'HCAPLUS' ENTERED AT 16:22:40 ON 20 APR 2009
L12            2 SEA SPE=ON  ABB=ON  PLU=ON  L4

     FILE 'REGISTRY' ENTERED AT 16:22:57 ON 20 APR 2009
L13              STR L10
L14           23 SEA SSS SAM L13
L15              STR L13
L16            8 SEA SSS SAM L15
L17              STR 639061-02-2
L18           50 SEA SSS SAM L17
L19              STR L17
L20           28 SEA SSS SAM L19
L21        22579 SEA SSS FUL L17
L22            7 SEA SPE=ON  ABB=ON  PLU=ON  L21 AND L2
                 SAV L21 ANT565/A

     FILE 'HCAPLUS' ENTERED AT 16:27:50 ON 20 APR 2009
L23            2 SEA SPE=ON  ABB=ON  PLU=ON  L22
L24          959 SEA SPE=ON  ABB=ON  PLU=ON  L21
L25            1 SEA SPE=ON  ABB=ON  PLU=ON  L24 AND L1
L26          223 SEA SPE=ON  ABB=ON  PLU=ON  L24 AND TERPENE?/SC,SX
L27           48 SEA SPE=ON  ABB=ON  PLU=ON  L26 AND PRP/RL
L28              QUE SPE=ON  ABB=ON  PLU=ON  FLAVOUR? OR FLAVOR? OR
                 FRAGNANC? OR ODOR? OR ODOUR?
L29            3 SEA SPE=ON  ABB=ON  PLU=ON  L27 AND L28
L30            4 SEA SPE=ON  ABB=ON  PLU=ON  L26 AND L28
L31           11 SEA SPE=ON  ABB=ON  PLU=ON  L24 AND L28
L32           11 SEA SPE=ON  ABB=ON  PLU=ON  (L29 OR L30 OR L31)
                 E   PERFUMES/CT
L33        18408 SEA SPE=ON  ABB=ON  PLU=ON  PERFUMES+PFT,NT/CT
L34            6 SEA SPE=ON  ABB=ON  PLU=ON  L24 AND L33
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L35           8 SEA SPE=ON  ABB=ON  PLU=ON  L24 AND  PERFUM?
L36           8 SEA SPE=ON  ABB=ON  PLU=ON  L34 OR L35
L37          15 SEA SPE=ON  ABB=ON  PLU=ON  L32 OR L35
L38          11 SEA SPE=ON  ABB=ON  PLU=ON  L37 AND (1840-2003)/PRY,AY,PY
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